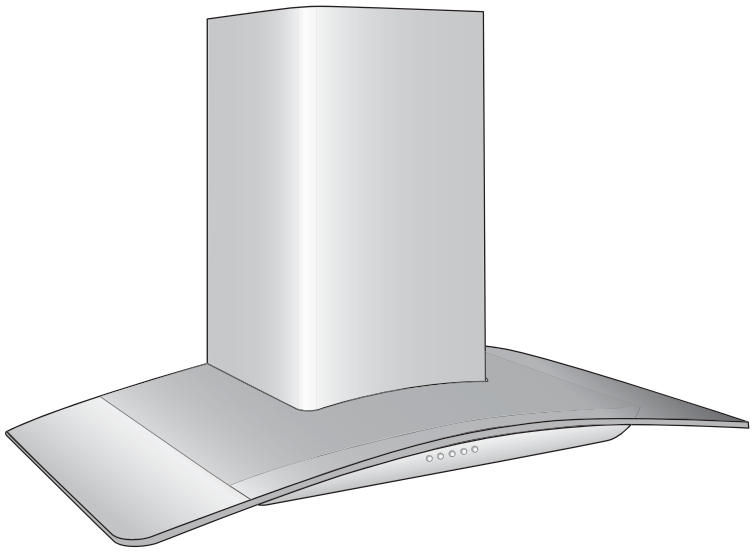
Electrolux

TECHNICAL SERVICE MANUAL

Pro and Designer Series Ventilation



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Section 1

Basic Operation of Ventilation Products

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Safe Servicing Practices

Avoid personal injury and/or property damage by observing important Safe Servicing Practices. Following are some limited examples of safe practices:

1. DO NOT attempt a product repair if you have any doubts as to your ability to complete the repair in a safe and satisfactory manner.

2. Always Use The Correct Replacement Parts as indicated in the parts documentation. Substitutions may defeat compliance with Safety Standards Set For Home Appliances. Do not exceed maximum recommended wattage on halogen bulb replacements. Doing so could blow fuses and/or damage transformers.

3. Before servicing or moving an appliance:

   • Remove power cord from the electrical outlet, trip circuit breaker to the OFF position, or remove fuse.

   • Turn off gas supply.

   • Turn off water supply.

4. Never interfere with the proper operation of any safety device.

5. Use ONLY REPLACEMENT PARTS CATALOGED FOR THIS APPLIANCE. Substitutions may defeat compliance with Safety Standards Set For Home Appliances.

6. GROUNDING: The standard color coding for safety ground wires is GREEN, or GREEN with YELLOW STRIPES. Ground leads are not to be used as current carrying conductors. It is EXTREMELY important that the service technician reestablish all safety grounds prior to completion of service. Failure to do so will create a hazard.

7. Prior to returning the product to service, ensure that:

   • All electrical connections are correct and secure.

   • All electrical leads are properly dressed and secured away from sharp edges, high-temperature components, and moving parts.

   • All non-insulated electrical terminals, connectors, heaters, etc. are adequately spaced away from all metal parts and panels.

   • All safety grounds (both internal and external) are correctly and securely connected.

   • All panels are properly and securely reassembled

Basic Operation - E36WC45FSS

All functions of the E36WC45FSS are controlled by a five button control panel located on the front edge of the hood. (See Figure 1-1)

The 2-level light switch, located on the far left of the control panel controls the operation of the halogen lights.

1. Press button once to turn lights ON.
2. Press again for a brighter light setting.
3. Press a third time to turn lights OFF.

The #1 fan speed switch turns the blower ON to lowest operating speed and the LED above the switch will illuminate. Press and hold for approximately 2 seconds to turn off fan.

The #2 switch turns the blower on to medium-low operating speed and the LED above switch will illuminate. Pressing this switch a second time will set a timer which keeps the blower operating at this speed for 10 minutes. The LED will blink during this time and the blower will shut off automatically.

The #3 and #4 switches operate in the same manner as the #2 switch described above. The #3 switch sets the fan speed to medium high while the #4 switch sets the fan speed to high.

After every 30 hours of operation, the LED above switch #1 will illuminate RED and blink for 30 seconds after turning off the blower. This is a reminder to clean the grease filters. The light is reset by depressing the switch for 2 seconds.

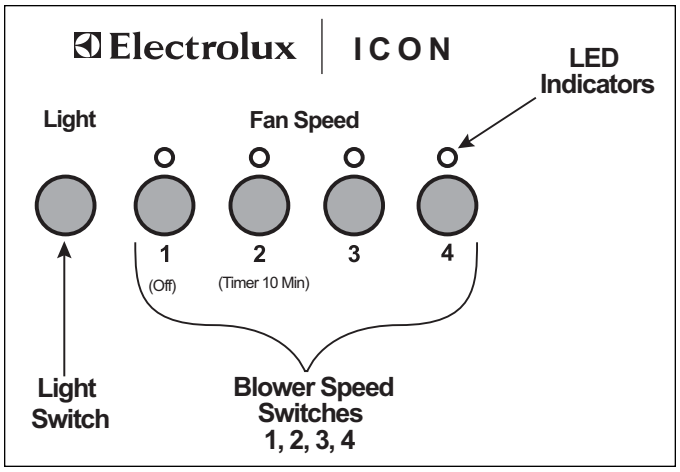


Figure 1-1. Control Panel Layout

Care and Cleaning

Grease filters should be cleaned frequently, at a minimum of every 30 hours of usage. They can be washed in warm water with a mild detergent or placed in the dishwasher.

The grease filters are released from their installation position by lifting the filter latches and tilting downward. (See Figure 1-2)

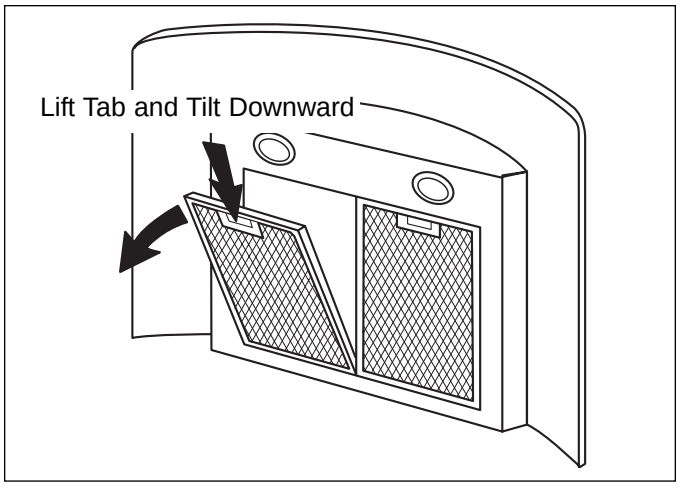


Figure 1-2. Filter Removal

Basic Operation - E40PV100FS

All functions of the E40PV100FS are controlled by slide controls located under the front edge of the hood. (See Figure 1-3)

The blower on/off switch turns blower on to the operating speed set by the blower speed control.
The blower speed control features a range of 3 speeds, low, medium, and high. The pilot lamp will illuminate whenever blower is switched on.

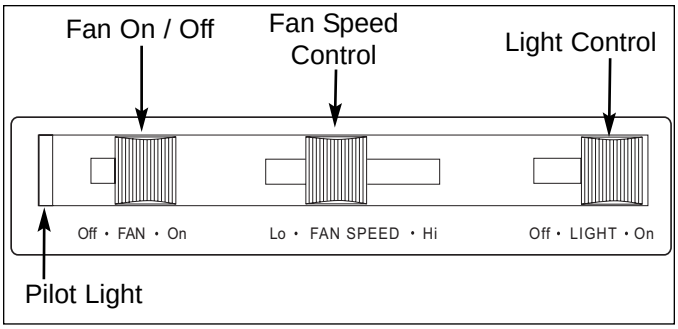


Figure 1-3. Control Panel Layout

Heat Sensing Thermostat™

The Heat Sensing Thermostat™ overrides all user control switches and may start blower even if the hood is turned OFF. The Heat Sensing Thermostat™ may also increase blower speed if the user's selected operating speed is insufficient. When this occurs, it is impossible to turn blower OFF using the control panel switch. The blower will only shut off when the thermostat senses a cool enough temperature. If the blower must be stopped, the power must be shut off at the main electrical panel.

Care and Cleaning

Grease filters should be cleaned frequently, at a minimum of every 30 hours of usage. They can be washed in warm water with a mild detergent or placed in the dishwasher.

The grease filters are released from their installation position by lifting the filter latches and tilting downward. (See Figure 1-4)

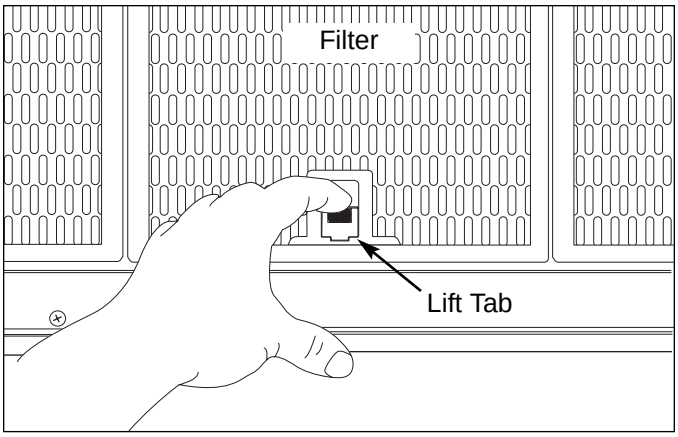


Figure 1-4. Filter Removal

Basic Operation - E488WV120S

All functions of the E488WV120S are controlled by two dial controls located under the front edge of the hood. (See Figure 1-5)

The lighting control dial acts as a dimmer, offering infinite adjustment of lighting level.

The blower dial control also offers infinite control of blower speed, going from highest to lowest as the dial is rotated clockwise.

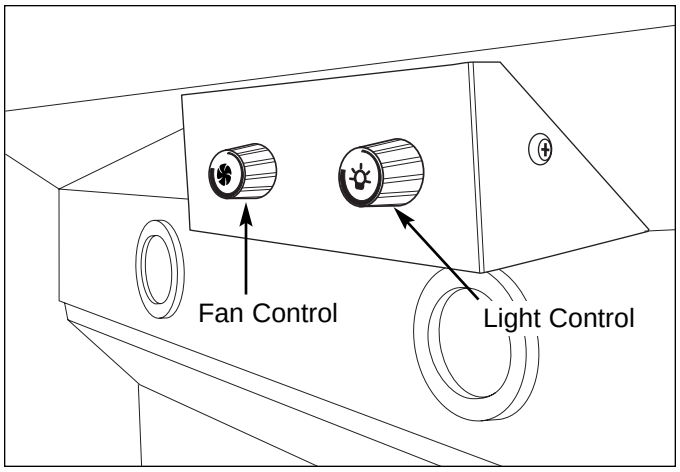


Figure 1-5. Control Panel Layout

Care and Cleaning

Grease filters should be cleaned frequently, at a minimum of every 30 hours of usage. They can be washed in warm water with a mild detergent or placed in the dishwasher.

The filters are spring-tensioned and are released from their installation position by pushing back and pulling down. (See Figure 1-6)

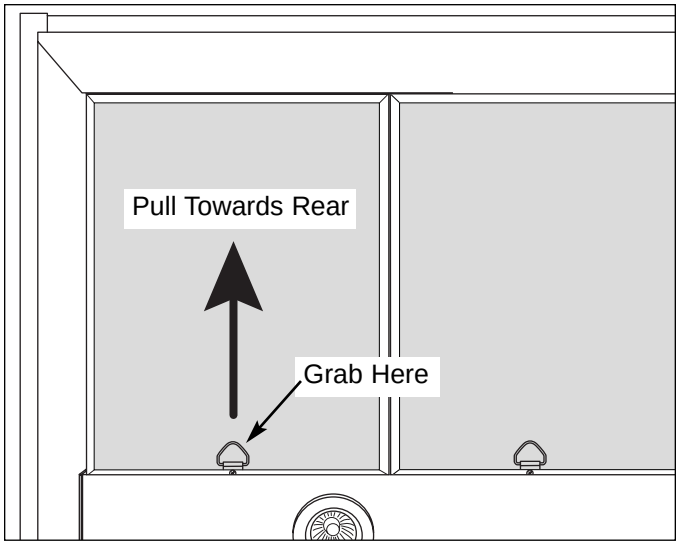


Figure 1-6. Grease Filter Removal

Basic Operation - E30DD75ESS

The chimney is raised and lowered by depressing the snorkel switch. When the chimney is down, depressing the switch sends voltage to the upper limit switch mounted on the motor. (See Figure 1-7)

The drive motor assembly has an upper limit and a lower limit switch mounted on the drive motor housing. As the motor rotates, a cam on the motor activates these switches to control up and down movement of chimney. The motor only turns one way. Once movement is started, it cannot be reversed until the full cycle is complete.

The blower motor will start automatically when the chimney is raised. The blower motor speed is controlled by the control switch.

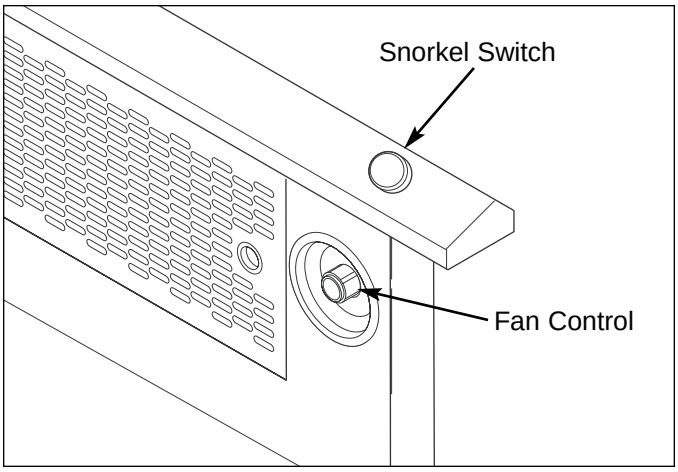


Figure 1-7. Control Panel Layout

Care and Cleaning

Grease filters should be cleaned frequently, at a minimum of every 30 hours of usage. They can be washed in warm water with a mild detergent or placed in the dishwasher.

The filters are spring-tensioned and are released from their installation position by pulling down and then out. (See Figure 1-8)

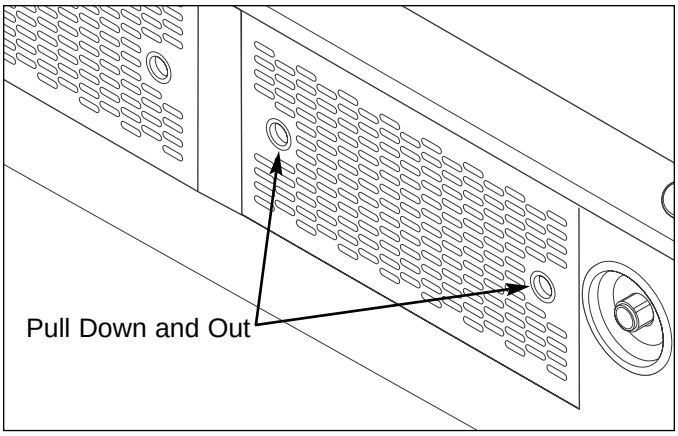


Figure 1-8. Filter Removal

36" RANGE HOOD E36WC45FSS	
Nominal Width	36"
Installation Type	Wall Mount
Air Discharge	Vertical
Air Delivery	400 CFM
Blower Type	Centrifugal
Control	Electronic
Fan Speed	4
Halogen Light	2
Washable Stainless Steel Filter	Yes
Exhaust Duct	External
Diameter of Duct	6"

ACCESSORIES	
35-7/16" Flue Extension - EXWC45	Optional
Charcoal Filter - CF40E	Optional

SPECIFICATIONS	
Electrical – 120 V AC / 60 Hz / 15 or 20 Amp	Required
Power Cord Location (Within Flue Adjacent to Bottom of Air Outlet	Enters Flue Top at Right
Product Weight	58 Lbs.
Shipping Weight	68 Lbs.
Sones Rating	9.0
UPC (0-12505-)	55799-6

NOTE: Always consult local and/or national electric codes. Check local building codes for installation requirements, as they may vary per locale. Refer to Product Installation Guide for detailed instructions on the web at electroluxusa.com.

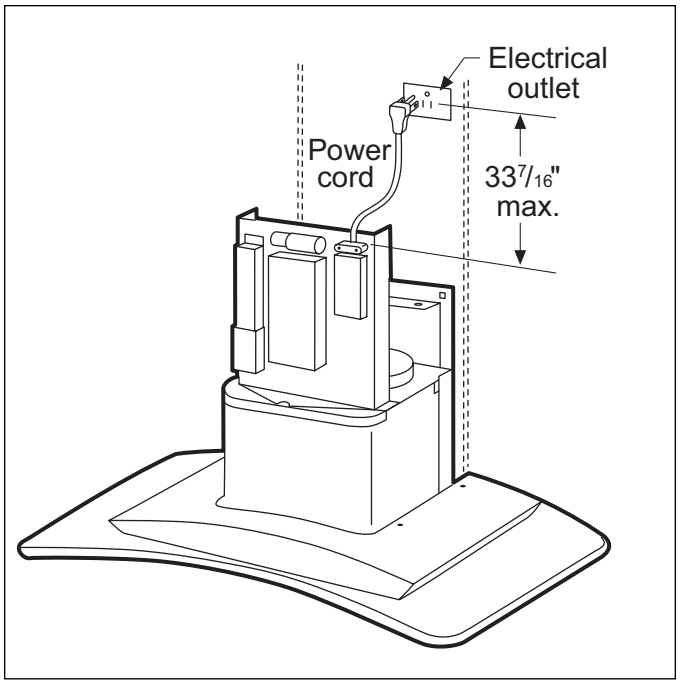


Figure 1-9. Electrical Connection

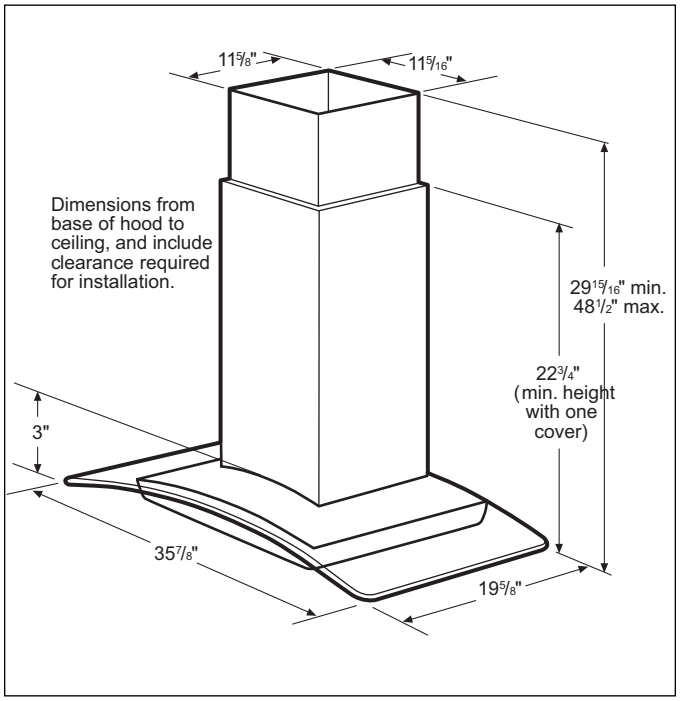


Figure 1-10. Overall Dimensions

40" RANGE HOOD EPV40PV100FS	
Nominal Width	40"
Installation Type	Peninsula / Island
Intelligent Heat Sensor	Yes
Air Discharge	Vertical
Air Delivery	1,000 CFM
Blower Type	Dual Centrifugal
Controls	Standard Slide
Fan Speeds	3
Halogen Lights	4
Washable Stainless Steel Filters	Yes
Exhaust Duct	External
Diameter of Duct	8"
ACCESSORIES	
32-11/16" Flue Extension - EXPV100s	Optional
SPECIFICATIONS	
Electrical – 120 V AC / 60 Hz / 15 or 20 Amp	Required
Power Supply Location (Within Flue Adjacent to Bottom of Air Outlet)	Enters Flue Top at Left
Product Weight	90 Lbs.
Shipping Weight	108.1 Lbs.
Sones Rating	11.5
UPC (0-12505-)	55798-9

NOTE: Always consult local and/or national electric codes. Check local building codes for installation requirements, as they may vary per locale. Refer to Product Installation Guide for detailed instructions on the web at electroluxusa.com.

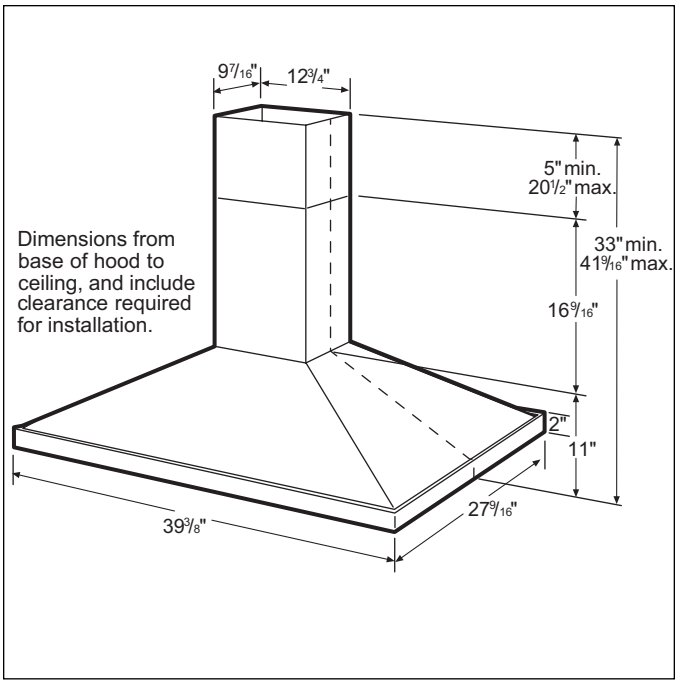


Figure 1-11. Overall Dimensions

18" CANOPY RANGE HOODS	E488WV120S	E368WV60ES	E308WV60ES
Size	48”	36”	30"
Installation Type	Wall Mounted	Wall Mounted	Wall Mounted
Air Discharge	Vertical or Horiz.	Vertical or Horiz.	Vertical or Horiz.
Air Delivery	1200 CFM	600 CFM	600 CFM
Blower Type	Dual Centrifugal	Centrifugal	Centrifugal
Controls	Dial	Dial	Dial
Infinite-Speed Blower	Yes	Yes	Yes
Dual Halogen Lights	Yes	Yes	Yes
Dishwasher Safe Aluminum Filters	Yes	Yes	Yes
Exhaust Duct	External	External	External
Diameter of Duct	10"	10"	10"
SPECIFICATIONS			
Cutout Dimensions –			
Height	18"	18"	18"
Width	48"	36"	30"
Depth	11-7/8"	11-7/8"	11-7/8"
Electrical – 120 V AC / 60 Hz / 15 or 20 Amps	Required	Required	Required
Product Weight	103 Lbs.	64 Lbs.	55 Lbs.
Shipping Weight	108 Lbs.	67 Lbs.	58 Lbs.
UPC (0-12505-)	55611-1	55710-1	55711-1

NOTE: Always consult local and / or national electric codes. Refer to Product Installation Guide for detailed installation instructions on the web at www.electroluxusa.com.

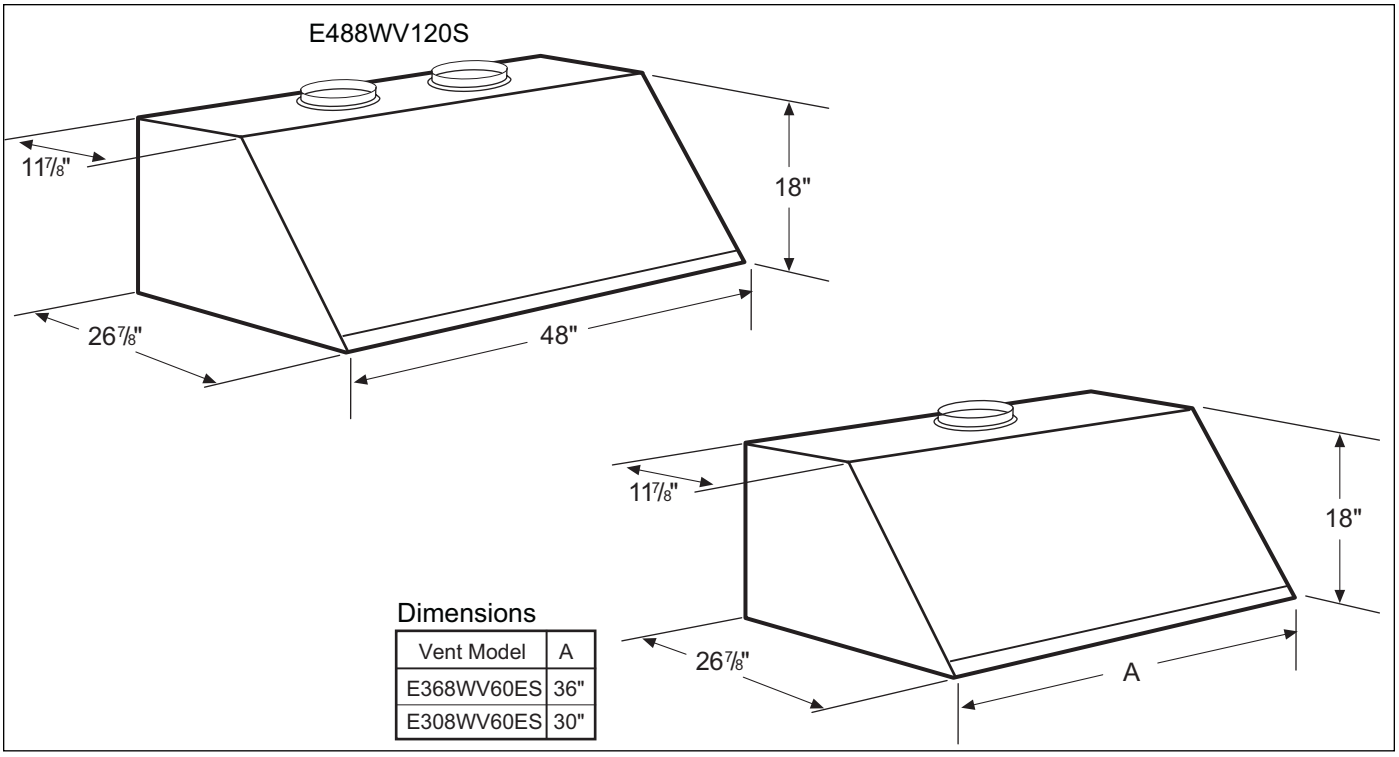


Figure 1-12. Overall Dimensions

DOWNDRAFT	E48DD75ESS	E46DD75ESS	E36DD75ESS	E30DD75ESS
Size	48”	46”	36”	30"
Installation Type	Counterto Mounted	Countertop Mounted	Countertop Mounted	Countertop Mounted
Air Discharge	Down	Down	Down	Down
Air Delivery	1600 CFM	1600 CFM	1600 CFM	1600 CFM
Intake Area	10”	10”	10”	10"
Controls	Dial	Dial	Dial	Dial
Infinite-Speed Blower	Yes	Yes	Yes	Yes
Dishwasher Safe Aluminum Filters	Yes	Yes	Yes	Yes
Exhaust Duct	External	External	External	External
Diameter of Duct	3-1/4”	3-1/4”	3-1/4”	3-1/4"
SPECIFICATIONS				
Electrical – 120 V AC / 60 Hz / 15 or 20 Amps	Required	Required	Required	Required
Shipping Weight	69 Lbs.	69 Lbs.	55 Lbs.	48 Lbs.
UPC (0-12505-)	53953-4	53952-7	53951-0	53950-3

NOTE: Always consult local and / or national electric codes. Refer to Product Installation Guide for detailed installation instructions on the web at www.electroluxusa.com.

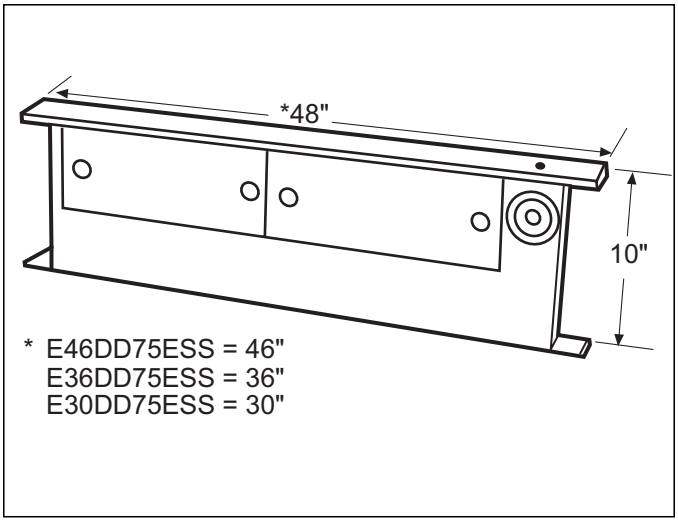


Figure 1-13. Overall Dimensions

Notes

Section 2

Troubleshooting Ventilation Products

This Troubleshooting section is divided into two parts.

Pages 2-2 & 2-3 will pertain to Models #**E36WC45FSS**, #**E36WV100FS**, #**E40PV100FS** and the #**E488WV120S**.

Pages 2-4 & 2-5 will pertain to the Model #**E30DD75ESS** only**.**

Model Number	Problem or Fault	Check or Repair
E36WC45FSS **E36WV100FS** **E40PV100FS** **E488WV120S**	Unit will not start and lights will not light.	1. Check wall outlet or power connection. 2. Check power at breaker box
E36WC45FSS **E36WV100FS** **E40PV100FS** **E488WV120S**	Customer complains of poor exhaust performance.	1. Check for obstruction in duct, blower, dampers, wall or roof cap, intake vents. 2. Filters dirty. 3. Dirty grease filters and/or charcoal filter, if equipped, blocking air flow. 4. Size of duct, dampers and/or exhaust jacks smaller than recommended. 5. Hood mounted more than 30 inches from cook top (against manufacturers installation instructions). Hood must be 24 – 30 inches from cooktop.
E36WC45FSS **E36WV100FS** **E40PV100FS** **E488WV120S**	Stops and restarts; will not run continuously.	1. Hood motor is overheating and thermal cutout is activating. Hood restarts when motor cools. Check for: a. Plugged filters. b. Intake vents restricted. c. Bad motor bearings– causing overheating (See motor replacement).
E36WC45FSS	. Stops and restarts; will not run continuously.	1. Consumer unwittingly pressing fan buttons long enough to activate 10-minute timer, setting control for 10 minute limit.
E36WC45FSS	One halogen bulb fails to light.	1. Replace with Type JC, 12 Volt, 20 Watt Max, G-4 Base halogen bulb. See Component Teardown section for details.
E36WV100FS **E40PV100FS**	One halogen bulb fails to light.	1. Replace with type MR1, 12 Volt, 20 Watt Max. See Component Teardown section for details.
E488WV120S	One halogen bulb fails to light.	1. Use suction cup, part number 530444873, supplied with the hood, to remove and replace bulbs. See Component Teardown section for details.
E36WC45FSS	All halogen bulbs fail to light.	1. Check fuse and replace if open. 2. Check transformer. 3. Check for intermittent switch operation. See Component Teardown section for details.
E36WV100FS **E40PV100FS**	All halogen bulbs fail to light.	1. Check fuse and replace if open. 2. Check transformer. See Component Teardown section for details.

Model Number	Problem or Fault	Check or Repair
E488WV120S	All halogen bulbs fail to light.	1. Check the dimmer switch and replace if bad. See Component Teardown section for details.
E36WC45FSS **E36WV100FS** **E40PV100FS** **E488WV120S**	Fan doesn't start and lights don't work (Unit dead)	1. Intermittent switch operation. Replace switch board or switch assembly (for switch assembly removal see Component Teardown section for details. 2. Motor thermal protection is open. Replace motor (see Component Teardown section for details). 3. Vent obstruction or other cause of motor over-heating.
E36WC45FSS **E36WV100FS** **E40PV100FS** **E488WV120S**	Motor hums but doesn't start	1. Check for and secure loose connections between switch and control board. If no loose connections, replace control board. See Component Teardown section for details.
E36WC45FSS **E36WV100FS** **E40PV100FS** **E488WV120S**	Motor does not have multiple speeds	1. Check for and secure loose connections between switch and control board. If no loose connections, replace control board. See Component Teardown section for details.
E36WC45FSS **E36WV100FS** **E40PV100FS** **E488WV120S**	Excessive vibration	1. Check for damaged or deformed fan blade and replace as necessary.. See Component Teardown section for details.
E36WC45FSS	Red light blinking above blower speed switch	1. After every 30 hours of operation, the LED above the “blower speed 1 switch” will blink for 30 seconds after turning off the blower. This is a reminder to clean the grease filters. Once the grease filters are cleaned and installed, press and hold the “light switch” button for approxi-mately 2 seconds to stop the blinking and reset the 30 hour timer.
E36WC45FSS	Delay off timer fails to turn off blower after 10 minutes +/- 10%	1. Defective microchip. Replace control board. See Component Teardown section for details.
E36WC45FSS	Filter maintenance LED does not flash after 30 working hours of operation +/- 10%	1. Defective microchip. Replace control board. See Component Teardown section for details.

Model Number	Problem or Fault	Check or Repair
E30DD75ESS	Customer complains of poor exhaust performance.	1. Check for obstruction in duct, blower, dampers, wall or roof cap, and intake vents. 2. Dirty Grease filters. 3. Size of duct, dampers and/or exhaust jacks smaller than recommended
E30DD75ESS	Entire unit inoperative.	1. Power supply to hood is turned off or open. a. Check household circuit breaker or fuse. b. Unit unplugged underneath countertop. 2. No voltage to snorkel switch. a. Check incoming voltage at terminal block. b. Check black wire from terminal block to switch com tab for good connection. 3. Bad snorkel switch a. To confirm a bad snorkel switch, jump across black and blue wires to raise the chimney and across black and red wires to lower chimney. 4. a. Bad relay The relay is a coil activated single pole double throw NC relay (when unit is powered up, the NC Relay opens). The relay has tabs marked N, L, COM, and NC. There is a white wire on the tab coming from the neutral bar. A red wire comes from the snorkel switch to the L tab. A black wire on the COM tab from L1 on the terminal block, and a red wire on the NC tab from the speed control. b. Relay current flow When the snorkel switch is depressed, the red wire sends 120 VAC to activate the relay coil and close the relay contacts. The relay contacts close and send 120 VAC to the speed control switch. The speed control switch sends 120 VAC to the pot, which sends voltage (120 to 8 VAC) to control speed of blower. 5. Bad Motor a. To test for a bad motor, remove two black wires from com tabs on upper/lower limit switches and touch one of them to L1 on terminal block, completing the circuit, motor should run. b. The drive motor assembly has an upper limit and a lower limit switch mounted on the drive motor housing. As the motor rotates, a cam on the motor activates these switches to control the up and down movement of the vent.

Model Number	Problem or Fault	Check or Repair
E30DD75ESS	Chimney doesn't raise	1. Loose wire connections. a. Check snorkel switch and motor connections. 2. Bad upper limit switch. a. Check switch for continuity Limit switch is a single pole, double throw switch with tabs marked COM, NO, and NC. The double black wire on the COM tab jumps to the lower limit switch and to the chimney drive motor. The double red wire on the NO tab from the snorkel switch jumps to the lower limit switch. The blue wire on the NC tab jumps to the lower limit switch.
E30DD75ESS	Chimney doesn't lower	1. Loose wire connections. a. Check snorkel switch and motor connections 2. Bad lower limit switch. a. Check switch for continuity. Limit switch is a single pole, double throw switch with tabs marked COM, NO, and NC. There is a black wire on the COM. tab that jumps to the upper limit switch. The double blue wire on the NO tab from the snorkel switch jumps to the upper limit switch. The red wire on the NC tab jumps to the upper limit switch.
E30DD75ESS	Chimney raises and then goes back down.	1. Check snorkel switch for continuity and correct wiring.
E30DD75ESS	Chimney doesn't raise or lower smoothly	1. Set screws on motor shaft loose.

Notes

Section 3

Component Teardown of Ventilation Products

COMPONENT TEARDOWN

This section explains how to access and remove components from Electrolux ventilation products, and has been arranged in such a way as to simulate which components would need to be removed first in order to gain access to other components. When following a component removal procedure, it may be necessary to reference another component removal procedure listed earlier in this section.

IMPORTANT NOTE: *Before continuing, please take note of the WARNINGS and CAUTIONS below.*

⚠ WARNING

- **IF IT IS NECESSARY TO REMOVE A VENTILATION UNIT FROM ITS INSTALLATION, USE PROPER LIFTING TECHNIQUES AS UNITS ARE HEAVY AND COULD FALL RESULTING IN SERIOUS INJURY OR DEATH. PULLING A UNIT FROM ITS INSTALLATION SHOULD ONLY BE PERFORMED BY A TRAINED AUTHORIZED SERVICE TECHNICIAN OR INSTALLER.**
- **TO AVOID ELECTRIC SHOCK, POWER TO A VENTILATION UNIT MUST BE DISCONNECTED WHENEVER ACCESSING AND/OR REMOVING COMPONENTS POWERED BY ELECTRICITY OR COMPONENTS NEAR OTHER ELECTRICAL COMPONENTS.**

⚠ Caution

- **Metal edges may be sharp. Use caution and wear appropriate safety equipment when servicing ventilation units to avoid personal injury.**

Component Teardown - E36WC45FSS

Grease Filter Removal

The filters are held in place by tabs that slide into slots cut in the vent hood frame. Remove the filters by lifting up the latch tab to retract the spring loaded tabs, then pulling the filter down and away from the vent hood until the rear filter tabs are free from the slots.
(See Figure 3-1)

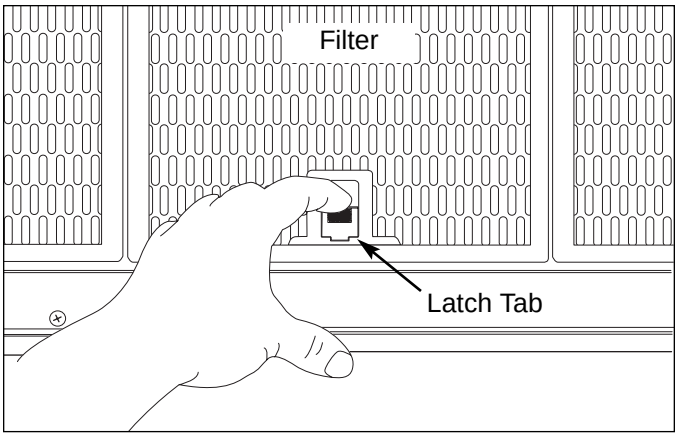


Figure 3-1. Grease Filter Removal

Halogen Lamp Bulb Removal

CAUTION: If the halogen lamps were in use prior to service, allow bulbs to cool before handling or use protective gloves. Do not touch replacement bulb with bare hands. Oil from skin will cause early failure of bulb. Always use a protective cloth when handling halogen bulbs.

To remove the halogen lamp bulbs:

1. With small flat-bladed screwdriver, insert into slot and pry bulb cover and retaining ring off vent hood frame. (See Figure 3-2)
2. Pull bulb sideways out of lamp receptacle and remove from unit. **Do not rotate bulb when removing from receptacle.**
3. Replace with Type JC, 12 Volt, 20 Watt Max, G-4 Base halogen bulb.

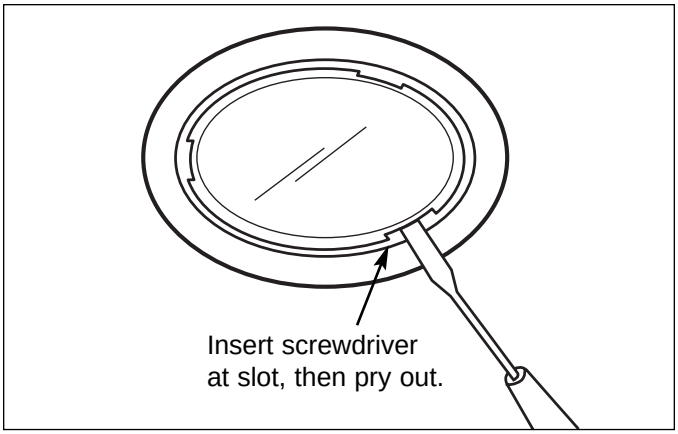


Figure 3-2 Bulb Cover Removal

Lamp Receptacle Removal

The lamp receptacles are secured to the vent hood frame by two spring clips.

To remove the halogen lamp receptacles, remove the grease filters first: (See Figure 3-3)

1. Disconnect electrical leads for lamp receptacle at quick disconnect.
2. Reach inside vent hood compartment and press in both ends of spring clip while pushing receptacle through vent hood frame.
3. The receptacle may pass through the vent hood frame by turning the receptacle until the receptacle flange lines up with the slot provided in the vent hood frame.

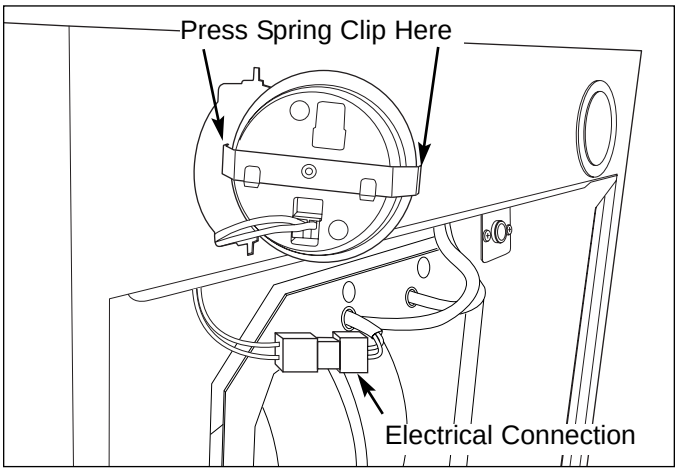


Figure 3-3. Lamp Receptacle Removal

Push Button Control Switch Removal

The push button control switch is located on the front of the unit under the glass canopy. The control switch assembly is mounted to the switch support bracket and secured with screws. The support bracket is then mounted on the inside the vent hood compartment and secured in position with screws.

To remove the push button control switch, the filters and the heat sentry must be removed, then: (See Figure 3-4)

1. Extract screws securing switch support bracket to vent hood frame. Carefully pull mounting bracket and switch assembly into vent hood compartment.
2. Extract screws securing switch assembly to support bracket.
3. With small flat bladed screwdriver, pry clear plastic cover from top of switch assembly. The clear plastic cover is secured by four plastic tabs to the switch assembly. (See Figure 3-5)
4. Extract screws from the top of the switch assembly. The switch assembly can now be separated.
5. The ribbon cable is removed from the circuit board by grasping the connector from both sides and carefully disconnecting ribbon cable from circuit board. (See Figure 3-6)

Heat Sentry Thermostat Removal

The heat sentry thermostat is located on the front right of the vent hood behind the grease filters. The heat sentry thermostat mounts in a tab and is secured in position with screws.

To remove the heat sentry thermostat, the filters must be removed, then: (See Figure 3-7)

1. Extract screws from heat sentry mounting tab.
2. Push heat sentry out of tab opening. From rear of heat sentry, disconnect wire leads.

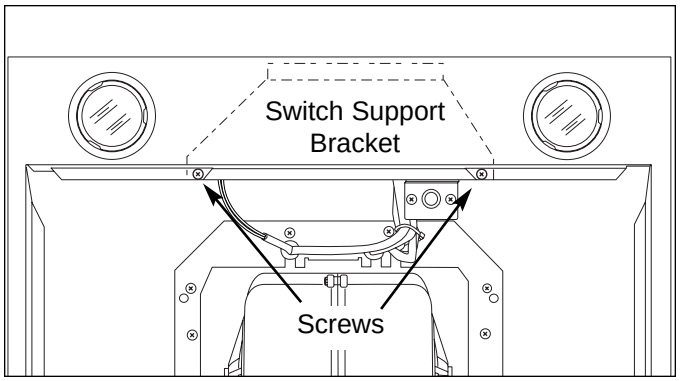


Figure 3-4. Heat Sentry Thermostat Removal

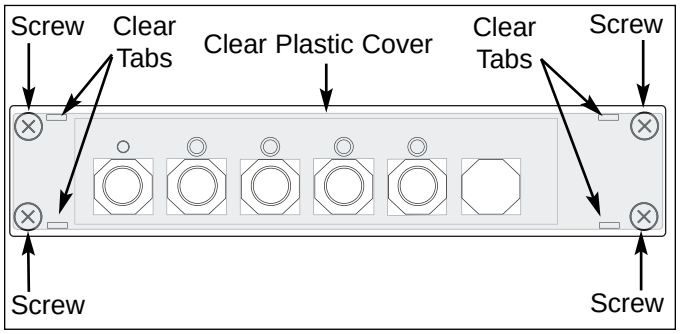


Figure 3-5. Control Switch Disassembly

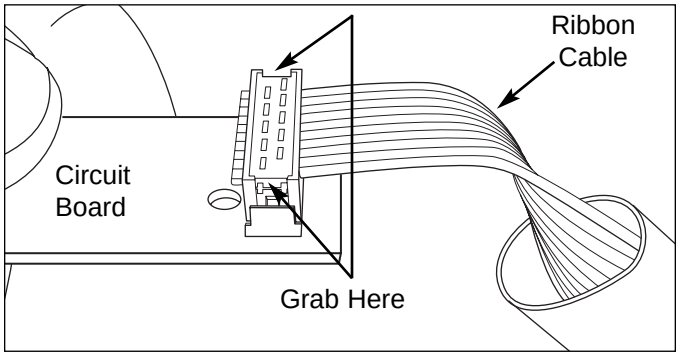


Figure 3-6. Ribbon Cable Removal

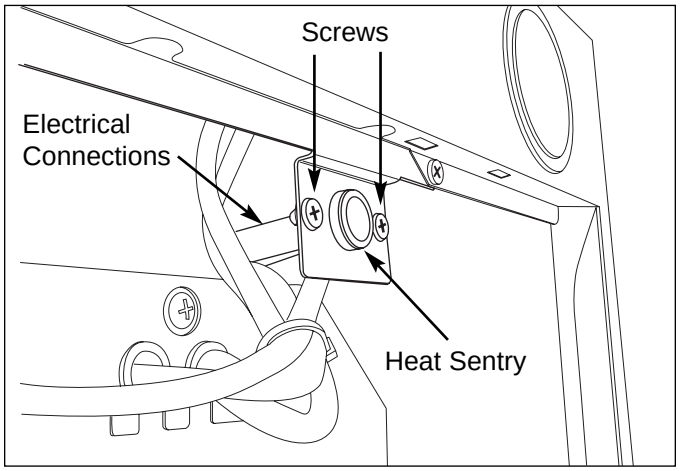


Figure 3-7. Heat Sentry Thermostat Removal

Accessing the Electrical Components

NOTE: *Electrical shock hazard. Refer to WARNING at beginning of section*

Flue Removal

In order to access electrical components, such as the transformer, control board, power cord, and fuse, the lower flue must be raised off the glass canopy and temporarily secured in place. The upper and lower flue assembly may need to be removed to access the power cord in some installations.

To remove the flue: (See Figure 3-8)

1. Extract screws securing flue to mounting bracket from both sides of upper flue.
2. Carefully lift flue assembly off glass canopy and remove from unit.

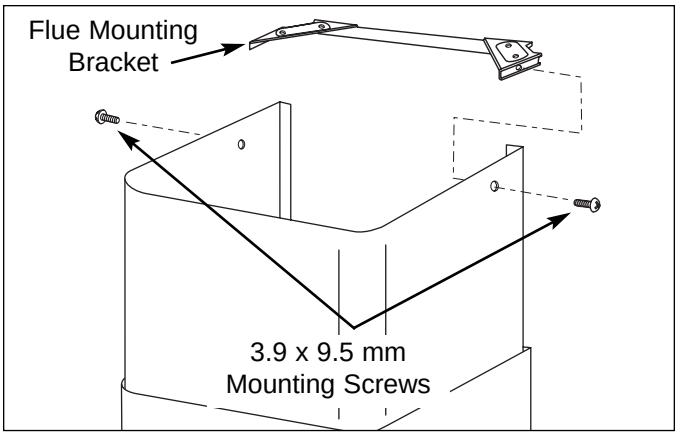


Figure 3-8. Flue Removal

Fuse Removal

The fuse assembly is located inside an electrical box that is fastened to the electrical system mounting plate.

To replace the fuse:

1. Disconnect power from unit.
2. Raise lower decorative flue and temporarily secure in place.
3. Extract screws from control box cover and remove cover from unit. (See Figure 3-9)
4. Unscrew cap from fuse holder and remove the fuse.
5. Replace fuse with the same size and amperage (5 x 20mm, 4 amp, 125 volt).

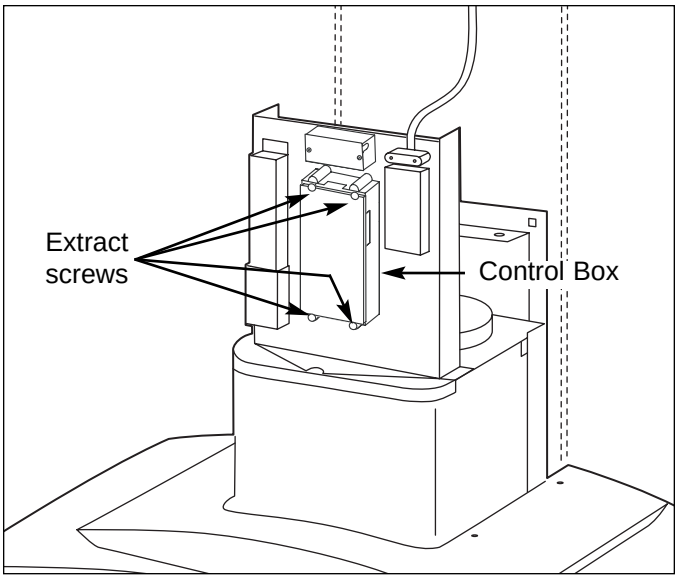


Figure 3-9. Fuse Removal

Printed Circuit Control Board Removal

The control board is located inside the control box that is fastened to the electrical system mounting plate.

To remove the printed circuit control board:

1. Disconnect power from unit.
2. Raise lower decorative flue and temporarily secure in place.
3. Extract screws from control box cover and remove cover from unit. (See Figure 3-9)
4. Disconnect electrical connections from control board. Remove control board from control box.

Transformer Removal

The transformer is located on the righthand side of the electrical system mounting plate.

To remove the transformer:

1. Disconnect power from unit.
2. Raise lower decorative flue and temporarily secure in place. Remove if needed. (See Figure 3-8)
3. Extract screws from transformer terminal cover and remove cover from unit. (See Figure 3-10)
4. Disconnect electrical connections from transformer terminal.
5. Extract screws from transformer, then pull transformer out from under the transformer bracket.

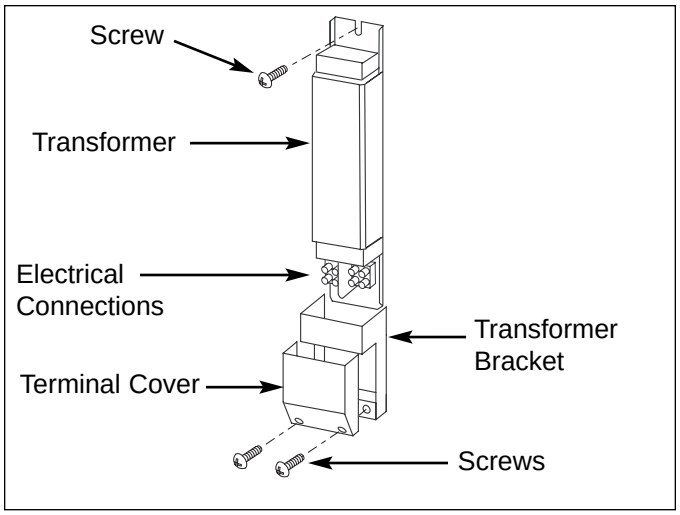


Figure 3-10. Transformer Removal

Power Cord Removal

The power cord is connected to the terminal box located on the upper righthand side of the electrical system mounting plate.

To remove the power cord:

1. Disconnect power from unit.
2. Raise lower decorative flue and temporarily secure in place. Remove if needed. (See Figure 3-8)
3. Extract screws from terminal box cover and remove cover from unit.
4. Extract screws from wire stop and remove from unit. (See Figure 3-11)
5. Disconnect electrical connections from power cord at terminal box. Remove power cord from unit.

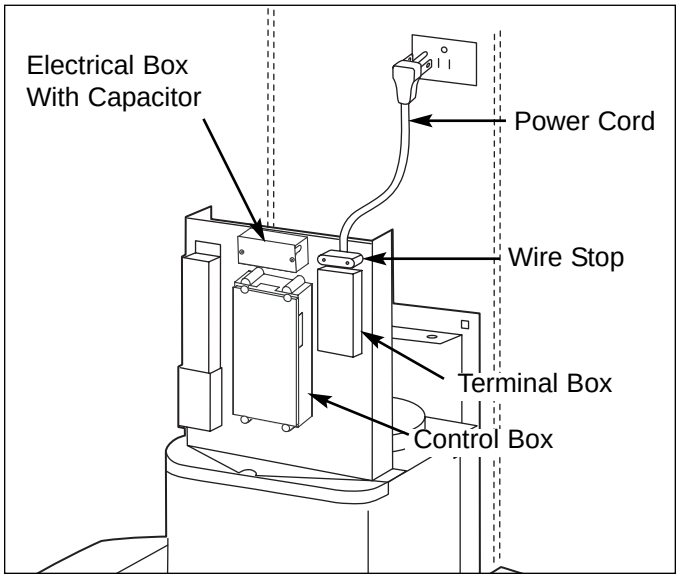


Figure 3-11. Power Cord Removal

Capacitor Removal

The capacitor is located in an electrical box mounted on the top of the electrical mounting bracket. (See Figure 3-11)

To remove the capacitor:

1. Disconnect power from unit.
2. Raise lower decorative flue and temporarily secure in place. Remove if needed. (See Figure 3-8)
3. Extract screws from control box cover and remove.
4. Disconnect electrical connections from capacitor to control box.
5. Extract screws from electrical box cover. Lift front edge of cover to open and remove capacitor.

Blower Motor Removal

For most installations, it will be necessary to remove the ventilation unit from its installation position. Prepare a flat surface to set the unit down after removing it from the wall mounts. Supports must be provided so the unit does not rest upon the glass canopy or remove canopy from the unit.

To remove the blower motor:

1. Disconnect power from product.
2. Remove lower and upper flues. (See Figure 3-8)
3. Extract screws securing the electrical mounting plate to the blower assembly. (See Figure 3-12)
4. Rest electrical plate upon a protective layer between it and the canopy glass. (See Figure 3-13)
5. Extract the two screws that secure the hood to wall mounting plate. **DO NOT** remove the two screws that secure the mounting plate to wall. (See Figure 3-13)
6. Lift and remove the hood from the wall mount and place on a flat surface. Be sure to support the hood from underneath so that it does not sit with its weight resting directly on the glass.
7. Extract remaining screws from blower cover. Remove blower cover from blower housing as far as the wiring harness will allow.
8. Remove two wing nuts and serrated washers on outside of blower housing. Push screws through the rubber bushings and remove from unit.
9. Find wire harness quick disconnect for the blower motor inside the blower housing and disconnect. It may be necessary to move blower assembly towards blower cover to access the wiring harness.
10. Disconnect ground wire from electrical mounting plate.
11. To gain access to blower, remove the five screws from blower housing and separate halves. (See Figure 3-14)
12. With a 13mm socket or wrench, remove compression nut from motor shaft. Slide blower off motor shaft.
13. With a T-20 Torx head bit, extract the three (3) bolts securing the blower motor to the blower housing. Remove motor and wire harness from blower housing. (See Figure 3-15)

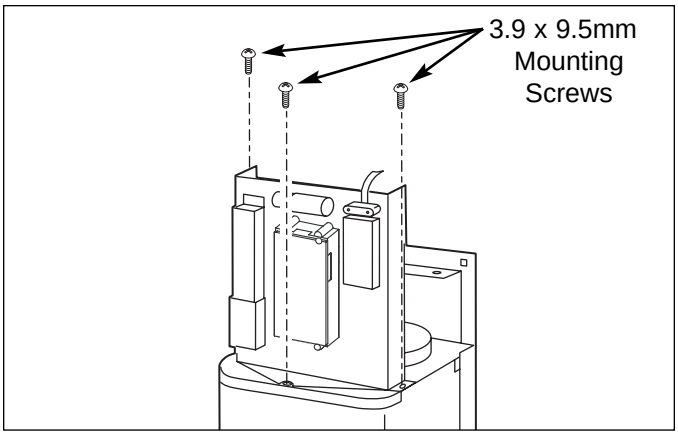


Figure 3-12. Electrical Mounting Plate Removal

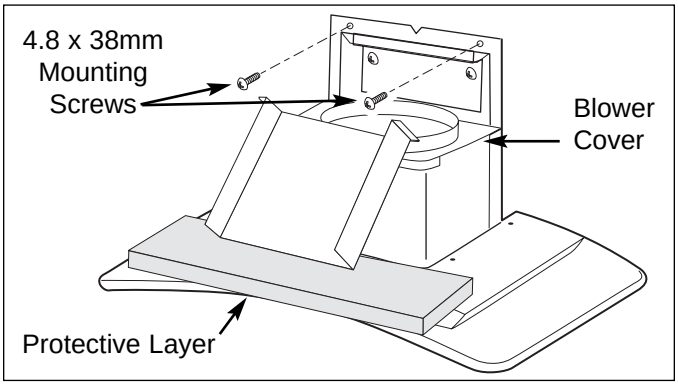


Figure 3-13. Hood Removal

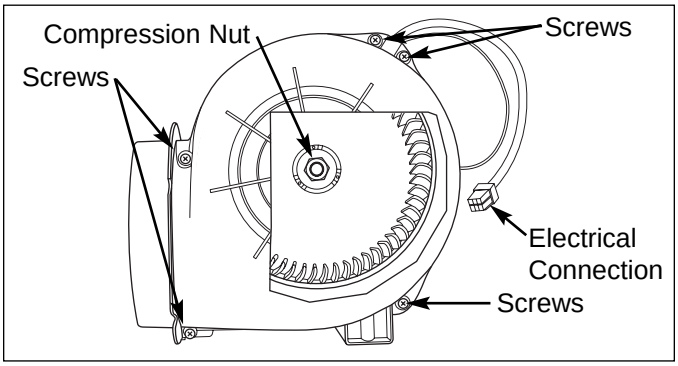


Figure 3-14. Blower Housing Separation

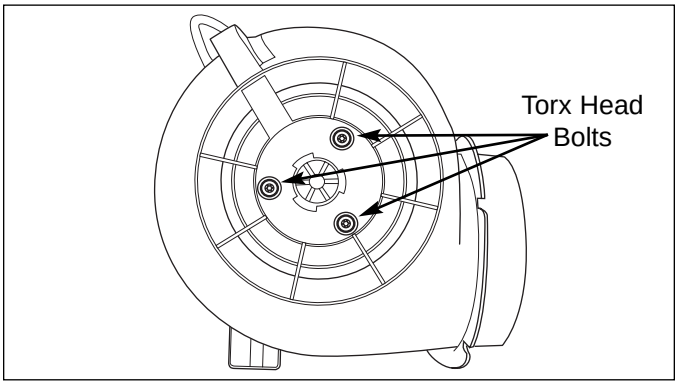


Figure 3-15. Hood Removal

Canopy Removal

The glass canopy rests atop the vent hood frame and is secured in position with canopy brackets and screws. The screws have plastic bushings to prevent breakage of glass when securing in position.

IMPORTANT NOTE: Do not overtighten canopy screws. Tighten screws until snug only.

To remove the glass canopy:

1. Raise lower decorative flue and temporarily secure in place. Remove if needed. (See Figure 3-8)
2. Extract screws from each canopy bracket on both sides of the blower housing. Lift canopy brackets with screw assemblies off of canopy. (See Figure 3-16)
3. Lift canopy up and off of vent hood frame.

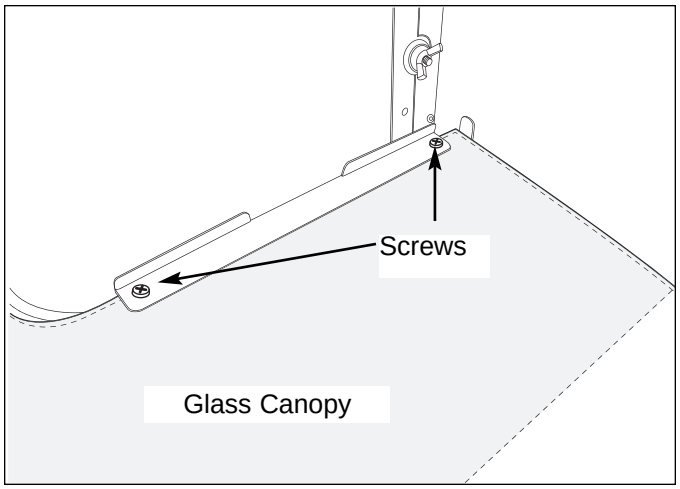


Figure 3-16. Canopy Removal

Component Teardown - E36PV100FS

Grease Filter Removal

The filters are held in place by tabs that slide into slots cut in vent hood frame. Remove filters by lifting up the latch tab to retract the spring loaded tabs, then pulling the filter down and away from the vent hood until the rear filter tabs are free from the slots. (See Figure 3-17)

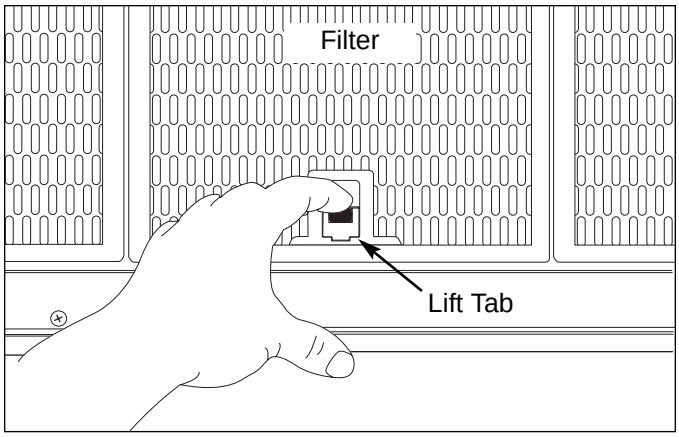


Figure 3-17 Bulb Cover Removal

Lamp Removal

The lamps are halogen bulbs (Type MR16, 12V, 20W). Using a higher wattage bulb will cause the fuse to open.

To change the halogen bulb:

1. With fingers, loosen the ring nut by turning it counterclockwise. (See Figure 3-18)
2. Remove the bulb by pulling downward. **Do not rotate bulb.**

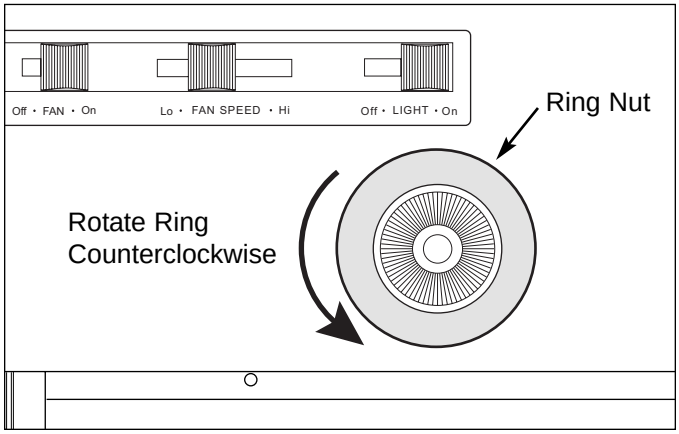


Figure 3-18. Lamp Ring Nut Removal

Lamp Receptacle Removal

The lamp receptacle is secured to the bottom of the vent hood with screws that pass through the vent hood and fasten into the receptacle.

To remove the lamp receptacle, the filters and halogen bulb must be removed, then:

1. Extract screws securing the receptacle housing to the vent frame. (See Figure 3-19)
2. Feed lamp receptacle and wire lead out to filter opening. From the backside of the lamp receptacle housing, extract screws securing the ceramic insulator and reflector to the receptacle housing. (See Figure 3-20)

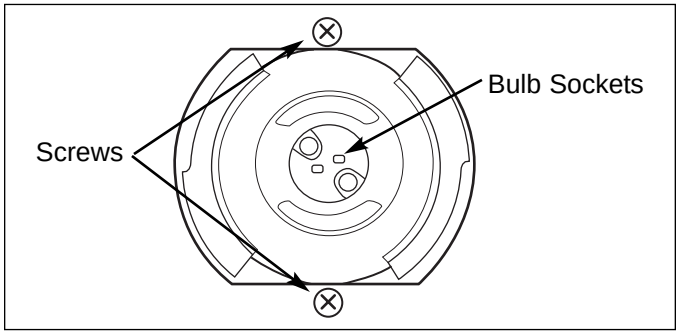


Figure 3-19. Lamp Ring Nut Removal

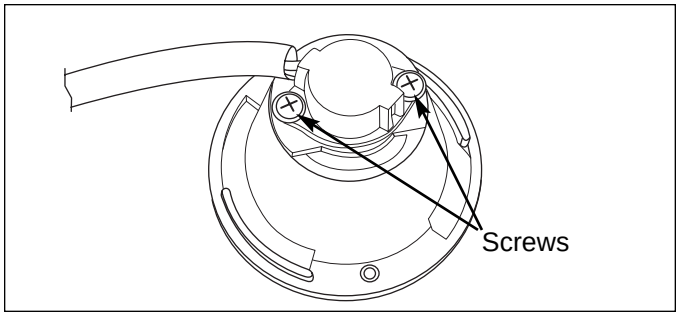


Figure 3-20. Lamp Receptacle Removal

Heat Sentry Thermostat Removal

The heat sentry thermostat is located in left rear corner of vent hood, and is held in position by a spring clip spot welded to the bottom panel.

To remove the heat sentry thermostat, the filters must be removed, then:

1. Reach inside the vent hood compartment and disconnect the two wire leads attached to the heat sentry thermostat.
2. Pull heat sentry thermostat out from under spring clip. (See Figure 3-21)

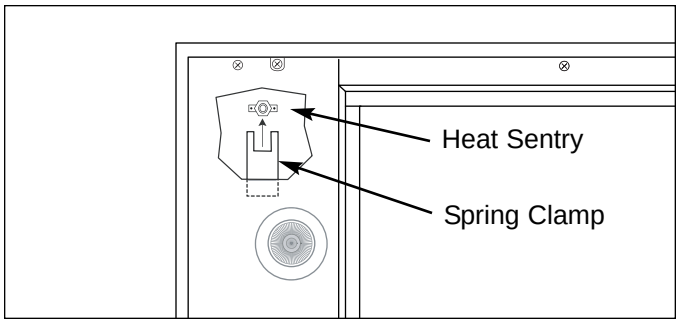


Figure 3-21. Heat Sentry Removal

Transformer, Circuit Board and Fuse Removal

The transformer, printed circuit board and fuses are mounted upon a bracket that is located on the left side of vent hood behind the bottom panel. Screws secure the bracket to the vent hood frame.

To remove the mounting bracket, the filters, the left rear halogen bulb and receptacle must be removed, and the heat sentry disconnected from wire harness, then:

1. Reach inside vent hood and remove wires from retaining clamps on left side of unit.
2. Extract screws securing the bracket to the vent hood frame. (See Figure 3-22)
3. Carefully pull mounting bracket out from under the bottom panel. Some elements of the wire harness will need to be adjusted to allow access to components on the mounting bracket.

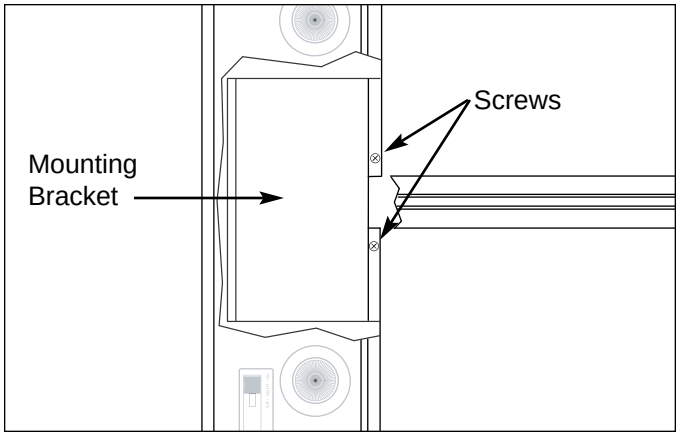


Figure 3-22. Mounting Bracket Removal

To remove the transformer, (See Figure 3-23)

1. Extract screws securing the terminal cover to transformer bracket and remove cover.
2. Using a flat-bladed screwdriver, loosen setscrews from wire terminal and remove wire leads.
3. Using a 9/32” socket or wrench, remove nuts and washers from both ends of transformer. Slide transformer to the left out from under bracket.

To remove the circuit board, (See Figure 3-23)

1. Extract the screws securing the electrical box cover to electrical box. Lift cover from front to open.
2. Disconnect wire leads from circuit board.

To remove the fuses,

1. Extract screws securing the fuse box cover to fuse box. Lift cover from front to open.
2. Remove fuse holder from box. Remove fuse holder cap to access the fuse. Use only a 5 x 20mm, 4Amp, 125V fuse.

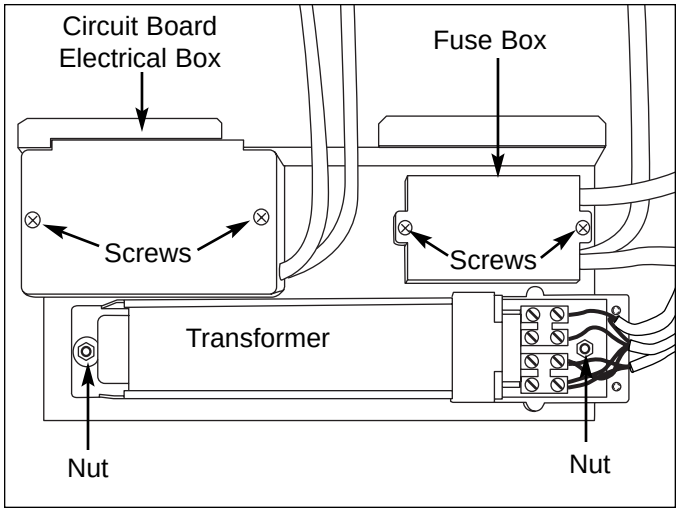


Figure 3-23. Transformer, Circuit Board & Fuse Removal

Capacitor Removal

The capacitor and wiring junction are located in an electrical box mounted on a bracket on the right side of the bottom panel.

To remove the mounting bracket and access the electrical box, the filters must be removed, then:

1. Reach inside vent hood and remove wires from retaining clamps on right side of unit.
2. Extract the screws securing bracket to the vent hood frame. (See Figure 3-24)
3. Carefully pull mounting bracket out from under the bottom panel. Turn mounting bracket to access the electrical box.
4. Extract the four screws securing cover to electrical box.
5. Using a small flat bladed screwdriver, loosen setscrews securing wire leads to wire junction. Remove capacitors with soldered on wire leads.

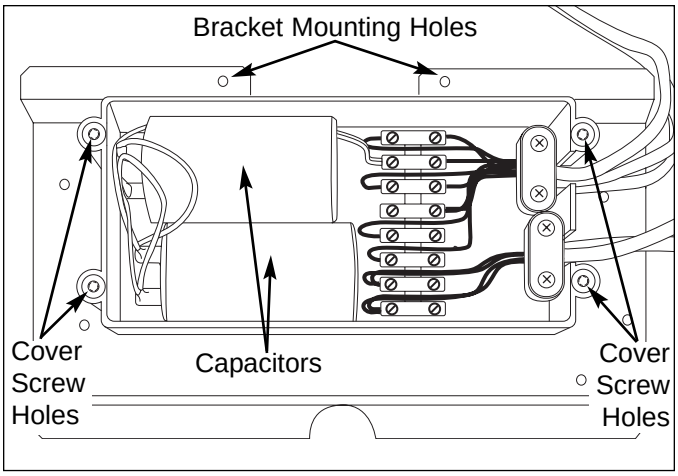


Figure 3-24. Bottom Panel Removal

Control Switch Assembly

The control switch assembly is located along the left bottom side of the vent hood. The assembly is held in place by the switch assembly cover that is accessible only by removing the left side screws of the bottom panel. The bottom panel does not have to be completely removed to access the switch assembly.

To remove the control switch assembly, the filters must be removed, then:

1. Starting on left side of unit, extract screws from bottom panel until the bottom panel can be pulled away from the unit frame, and the screw on control switch cover can be accessed.
   (See Figure 3-25)
2. Extract screw from control switch cover. Slide cover off switch assembly and remove from unit.
3. With thumb, press in retaining clip at end of switch assembly and push through bottom panel. A slot has been provided in the bottom panel to allowing the control switch assembly to pass through the bottom panel.
4. Extract screws securing the two halves of the switch assembly. The two halves are then separated by sliding the top section off of two retaining clips molded onto the bottom section.
5. When replacing the control switch assembly, the wire leads will need to be disconnected from the transformer, circuit board and wiring junction.

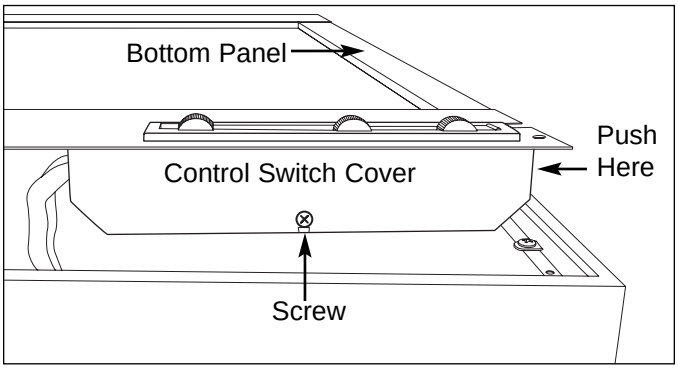


Figure 3-25. Control Switch Cover Removal

Bottom Panel Removal

The bottom panel is the stainless steel panel to which the control panel, lamp receptacles, blower motor control and heat sentry mount to. The panel is secured to the vent hood frame with screws along the outer edges. Removing the bottom panel will make accessing the blower motor assemblies easier.

To remove the bottom panel the filters must be removed first. Then, remove the lamps and lamp receptacles, the mounting brackets on both sides of the unit, and the control switch assembly. Now, extract the screws securing the bottom panel to the vent hood frame and remove from unit. (See Figure 3-26)

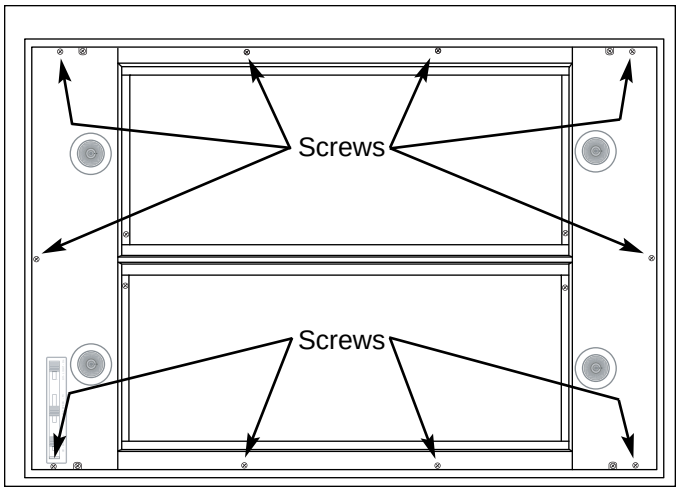


Figure 3-26. Bottom Panel Removal

Blower Motor Removal

There are two blower motor assemblies for model E36WV100FS & E36PV100FS vent hoods. The two assemblies are mounted back to back with screws securing the blower housings together. The assembly is then mounted as one unit to the lower hood/blower bracket with screws.

To remove the blower motor assemblies, it is recommended to remove the vent hood from its installation position. The filters must be removed to access the blower motor assemblies. Removal of the bottom panel will make accessing the components much easier.

1. Using a 9/32” extended socket, remove ground wire attached to lower hood/blower bracket.
2. Disconnect wire leads of motor being replaced from the wiring junction inside the electrical box.
3. From inside vent hood compartment, extract the four screws from the corners of the blower motor assembly that are securing the blower assemblies to the lower hood/blower bracket. (See Figure 3-27)
4. The two units are separated by removing screws from inside the blower housings.
5. Extract screws (A), securing the filter support to the blower assembly and repeat on opposite side. (See Figure 3-28)
6. Separate the two halves of a single blower assembly by removing screws (B).
7. Remove the blower wheel by using a 15mm wrench or socket, and removing the compression nut from the blower shaft. Slide blower wheel off shaft.
8. With a T-25 Torx head bit, extract bolts securing the blower motor to the blower housing. Remove motor and wire harness from unit.

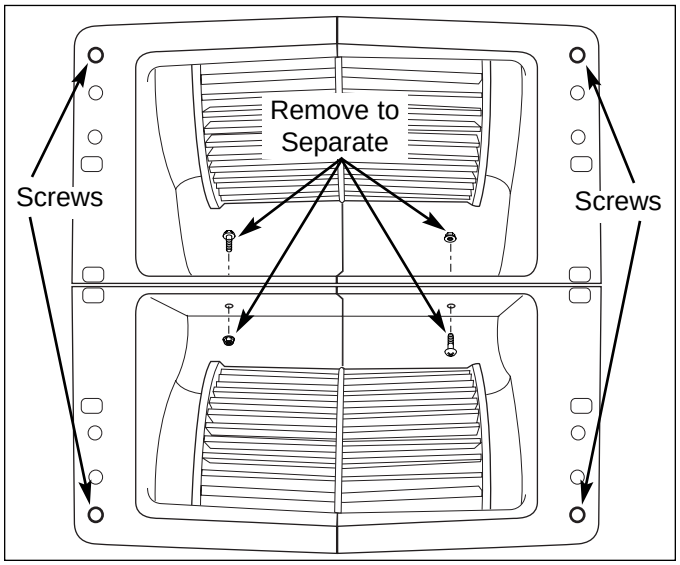


Figure 3-27. Blower Housing Removal

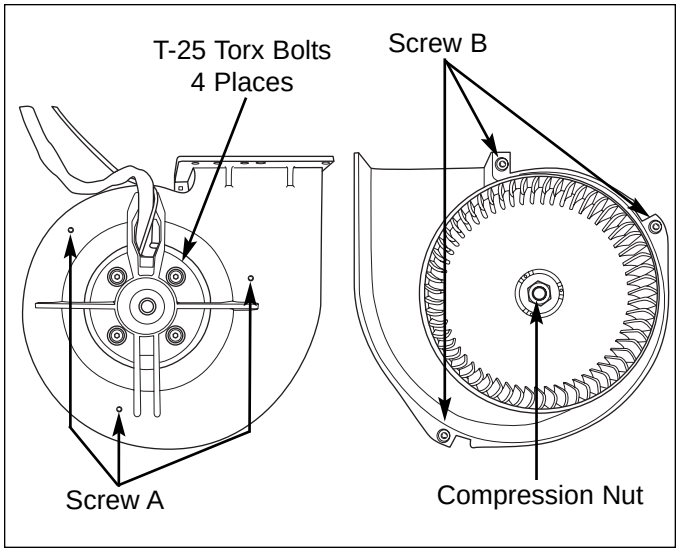


Figure 3-28. Blower Motor Removal

Component Teardown - E488WV120S

Grease Filter Removal

The four grease filters are held in place by springs spot welded to the filter frames. To remove the grease filters, grab the ring at the front of the filter and pull towards the rear of the unit until the front edge clears the vent hood frame, then pull down and out. (See Figure 3-29)

Bulb and Lamp Trim Removal

To remove a bulb, simply press the suction cup (Part number 5304448673 included with vent hood) onto the face of the bulb and unscrew in a counter-clockwise direction.

The lamp trim is removed by first removing the bulb, then grab onto the face of the lamp trim and pull assembly out from panel.

Control Assembly Removal

The control assembly consists of the cover, fan speed control and the light dimmer switch. The cover is mounted with screws to the control assembly panel. The light switch is secured to the cover by brass nuts, while the fan speed control mounts on a bracket with two threaded studs and secured by locknuts.

To remove the control assembly: (See Figure 3-30)

1. Pull knobs from fan and light switches.
2. Using a 9/16” socket or wrench, remove brass nuts from light control.
3. Extract screws from both sides of control cover.
4. Disconnect electrical leads at quick disconnect.
5. Using an 11/32” socket or wrench, remove nuts and washers securing the fan control to the mounting bracket inside control cover.

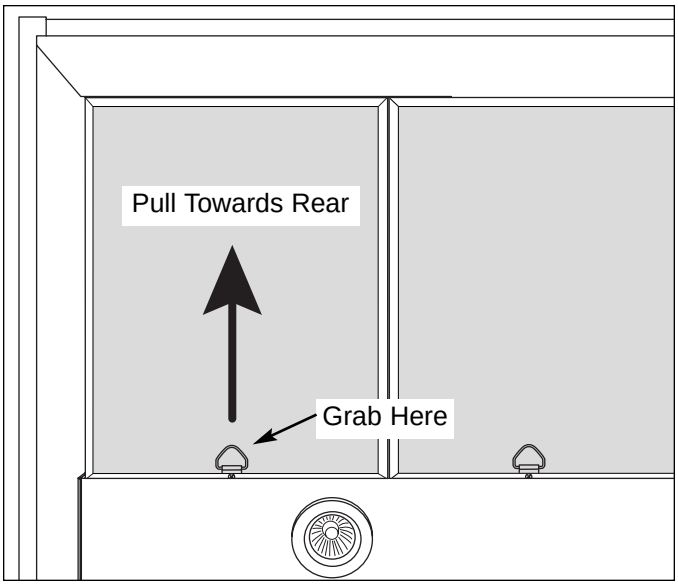


Figure 3-29. Filter Removal

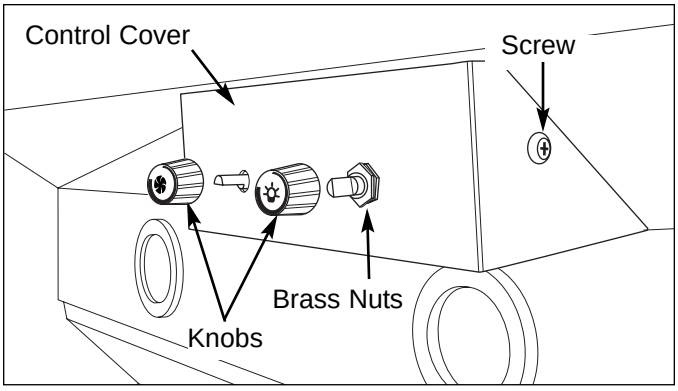


Figure 3-30. Bulb Cover Removal

Grime Shield Removal

The grime shield is a stainless steel panel that protects the interior of the vent hood from accumulating grease and cooking residue. The grime shield is secured in position with screws along the outer edges.

To remove the grime shield, the filters must be removed first: (See Figure 3-31)

1. Extract screws from grime shield.
2. Carefully remove the grime shield from unit, using care not to damage the edge trim on the sharp edges of the vent hood frame.

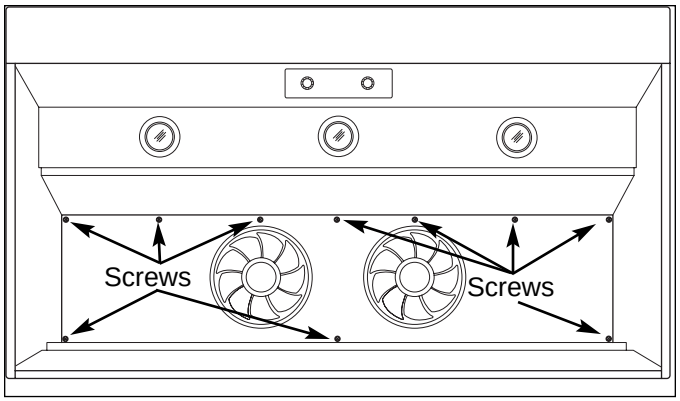


Figure 3-31. Grime Shield Removal

Control Panel Assembly Inner Support Removal

Removal of the inner support arms will allow the control panel assembly to be moved forward and allow easier access to the lamp receptacles, wiring harness and blower motors.

To remove the inner support arms, use an 11/32" extended socket and remove the nuts and washers from each support arm that secure support arms to the threaded studs welded to the top of the vent hood. (See Figure 3-32)

Note: *The inner support arms are only removed from the top panel of the unit. The screws at the other end of the support arms are not accessible unless the control panel assembly is removed from the unit.*

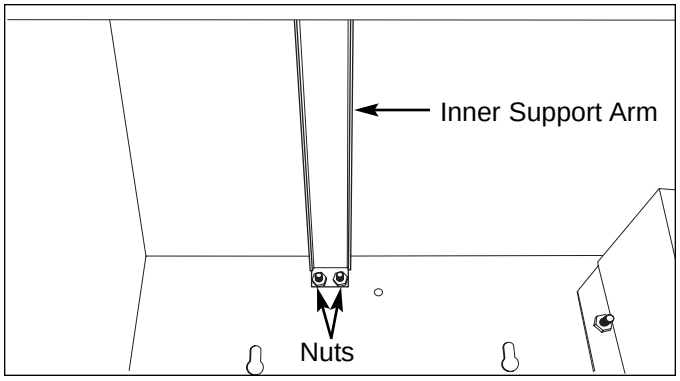


Figure 3-32. Inner Support Arm Removal

Lamp Receptacle Removal

The lamp receptacles are mounted to brackets spot welded behind the control assembly panel. A metal clamp is secured by a screw to the back of the receptacle which must be removed to access the electrical leads.

To remove the lamp receptacles, the filters and grime shield must be removed, and the inner support arms removed from the inside upper panel:

1. Using a small flat bladed screwdriver, extract the screw from the retaining clamp on the back of the lamp receptacle. (See Figure 3-33 Illustration A)
2. Using a phillips head screwdriver, extract the screws securing the wire leads to the receptacles. Remove receptacle from mounting bracket. (See Figure 3-33 Illustration B)

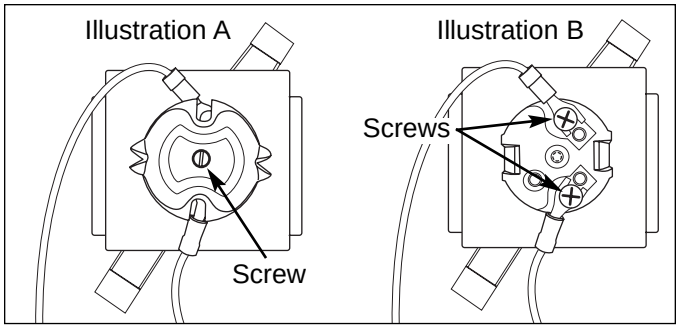


Figure 3-33. Lamp Receptacle Removal

Blower Motor

The blower motors are mounted to an air box in the inside compartment of the vent hood. Two brackets on each side of the blower motor secure the motors in position.

To remove the blower motors, the filters and grime shield must be removed, and the inner support arms removed from the inside upper panel:

1. Disconnect wire leads of blower motors at quick disconnect.
2. Extract the screws from each retaining bracket. Remove blower motors from unit. (See Figure 3-34)

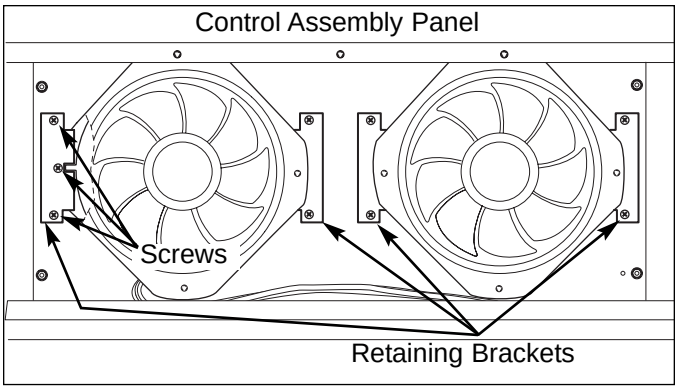


Figure 3-34. Blower Motor Removal

Component Teardown - E30DD75ESS

Grease Filter Removal

The grease filter assemblies are located in the chimney assembly and are secured in place by spring clips. The filters are visible only when the vent is in the up position.

To remove the filters, (See Figure 3-35):

1. With chimney in the up position, push down on the filter frame while pulling the filter out away from the downdraft.

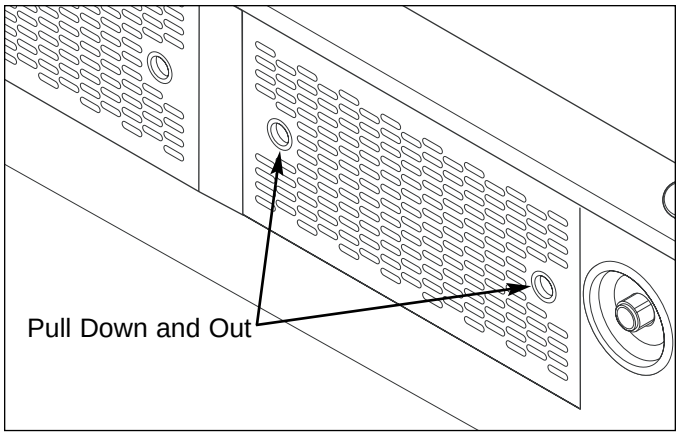


Figure 3-35. Filter Removal

Snorkel Switch Removal

The snorkel switch is located on the top cap weldment, and controls the up and down movement of the vent assembly.

To remove the snorkel switch, (See Figure 3-36):

1. Raise the vent assembly.
2. From the underside of the top cap weldment, extract the screws securing the top cap weldment to the sleeve assembly.
3. Disconnect wire leads of snorkel switch at quick disconnects.
4. From the underside of top cap weldment, push snorkel switch through top cap weldment.

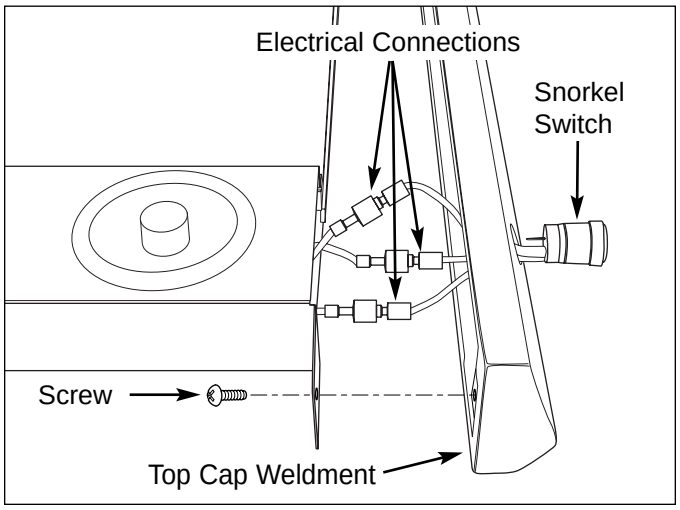


Figure 3-36. Snorkel Switch Removal

Blower Control Potentiometer Removal

The potentiometer is mounted to the front face of the sleeve assembly, and is visible only when the vent is in the raised position.

To remove the blower control potentiometer, remove the top cap weldment, then (See Figure 3-37):

1. Remove control knob.
2. Using a needlenose pliers, reach under potentiometer mounting bracket and remove tinerman palnuts from control knob bezel, then lift bezel from unit.
3. With a 10mm socket, remove nut and washer from potentiometer.
4. Carefully extract potentiometer out from under bracket. Disconnect electrical leads at quick disconnects.

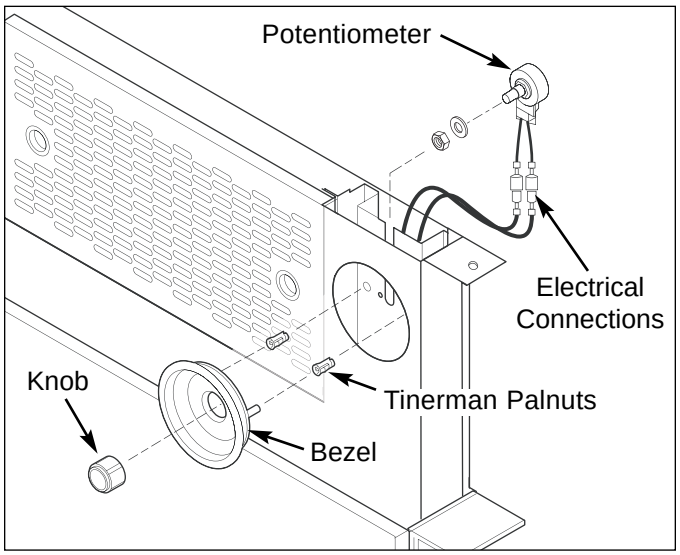


Figure 3-37. Blower Control Potentiometer Removal

Motor Mounting Box Removal

The drive motor assembly is located behind the front access panel and is secured with screws to the underside of the motor mounting box.

To remove the motor mounting box, (See Figure 3-38):

1. Extract the access panel mounting screws, then remove panel.
2. Extract screws from the top of the motor mounting box that secures the drive motor assembly to the underside of the mounting box.
3. Extract screws from each end of motor mounting box. The motor mounting box can now be moved aside to access the components of the drive motor assembly.

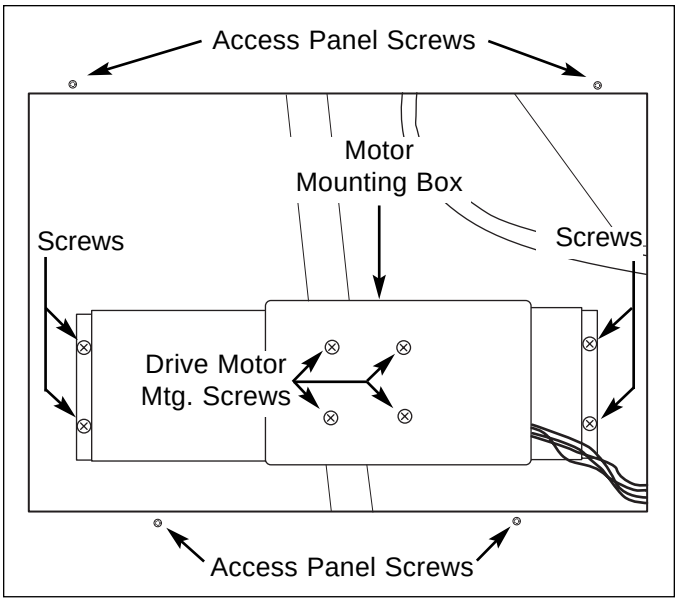


Figure 3-38. Motor Mounting Box Removal

Drive Motor Assembly Removal

The drive motor assembly consists of the drive motor and two micro-switches that control the vertical movement of the vent.

To remove the drive motor assembly, remove the motor mounting box first, then (See Figure 3-39):

1. With 1/8” allen wrench, extract setscrews securing drive arm to drive motor shaft. Slide motor assembly off of drive arm.
2. Disconnect electrical leads from micro-switches.

NOTE: *The micro-switch electrical connections must be hooked up in the proper order. Take note or tag wire leads before disconnecting to assure correct location for re-assembly.* (See Figure 3-40)

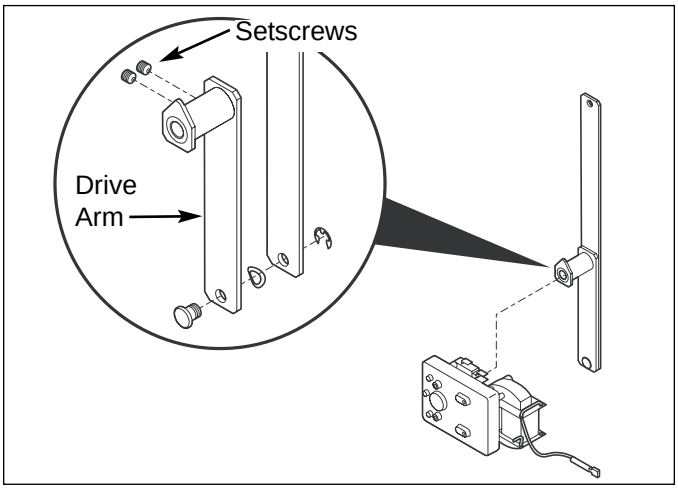


Figure 3-39. Drive Motor Removal

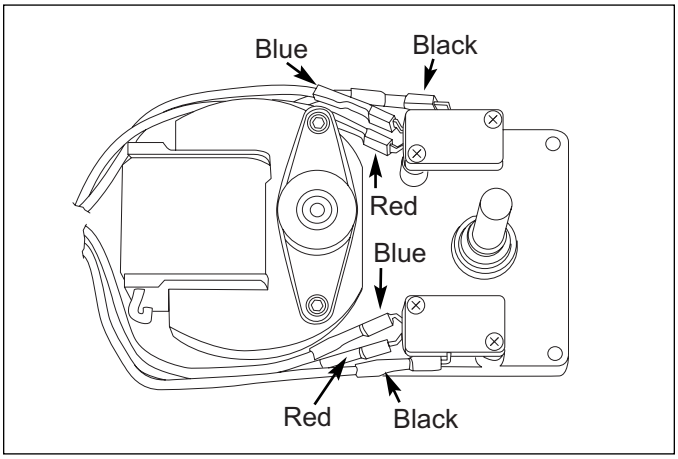


Figure 3-40. Electrical Connections

Electrical Component Removal

NOTE: *Electrical shock hazard. Refer to WARNING at beginning of section.*

The electrical components are located behind the small access panel on the lower right hand corner of the unit. The components consist of the AC phase control, relay and strip terminal.

To remove the electrical components, (See Figure 3-41):

1. Extract the screws from the small access panel and remove from unit.
2. To remove the strip terminal, use a small flatbladed screwdriver and loosen setscrews securing all wire connections. Remove wire leads from strip terminal. Then, extract screws securing the strip terminal to the unit frame.
3. To remove the relay, disconnect all wire leads from relay. Extract the screws securing the relay to the unit frame.
4. To remove the AC phase control, remove wirenuts from wire leads that run from the strip terminal to the AC phase control. Extract screws securing the AC phase control to the unit frame.
5. To remove the powercord, use a small flatbladed screwdriver and loosen setscrews securing the powercord wire leads to the right side of the strip terminal. Use an 11/32" socket or wrench to remove nut from ground wire. Remove plastic nut of strain relief from the right side of the unit frame, and remove powercord from unit.

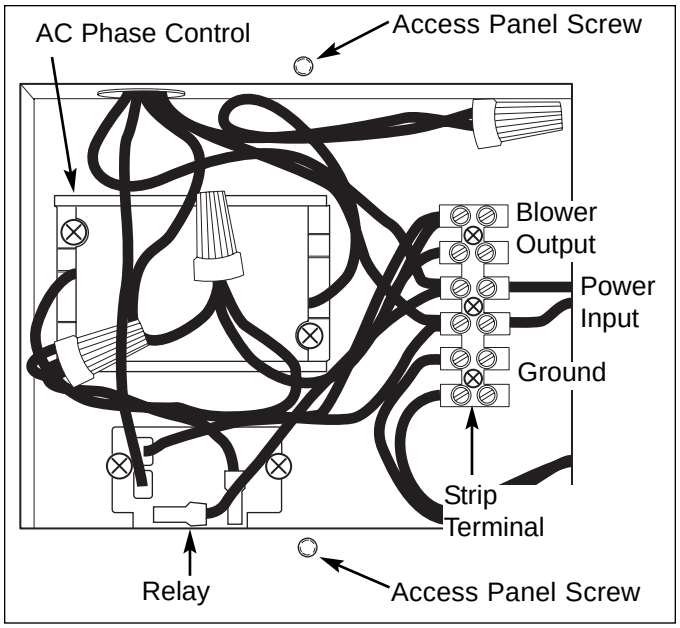


Figure 3-41. Electrical Component Removal

Component Teardown - Remote Blower Assembly

Blower Motor Removal

The blower motor is mounted with bolts to the motor mounting bracket. The mounting bracket is secured with screws that pass through the unit frame and fasten into the motor mounting bracket.

To remove the blower motor, (See Figure 3-42):

1. Extract screws from outside edge of remote blower assembly cover. Remove cover from unit.
2. Cut cable ties securing the wire lead to the motor mounting bracket and capacitor. Disconnect wire leads at wire nuts.
3. Extract screws from each side of the motor mounting bracket.
3. With 10mm socket or wrench, extract the bolts securing the blower motor assembly to motor mounting bracket.
4. The blower motor is separated from the blower assembly by using a T-25 Torx head bit and extracting the bolts on the blower motor flange.

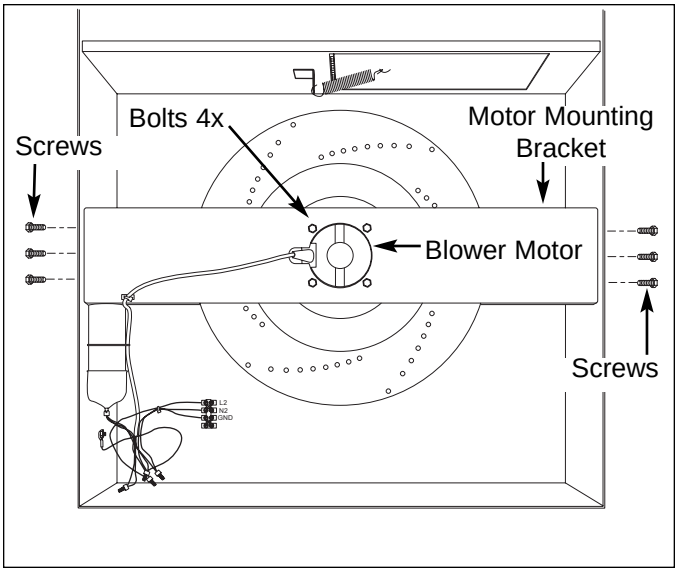


Figure 3-42. Blower Motor Removal

Capacitor Removal

NOTE: *Electrical shock hazard. Refer to WARNING at beginning of section.*

The capacitor is located in the lower left hand corner of the blower box assembly and is secured in position by a 1/2” nut on the underside of the motor mounting bracket.

To remove the capacitor, the top cover must be removed first, (See Figure 3-43):

1. Cut cable tie securing the wire lead to capacitor.
2. Remove rubber cover from capacitor and disconnect wire leads.
3. With 1/2” socket, reach under motor mounting bracket and remove nut securing the capacitor in position. Remove capacitor from unit.

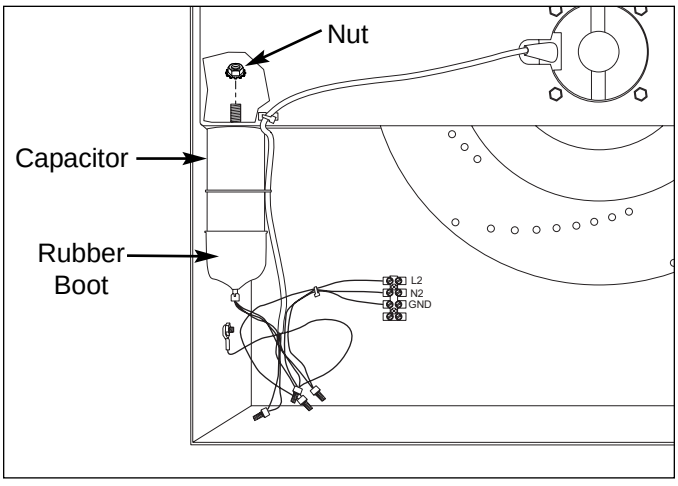


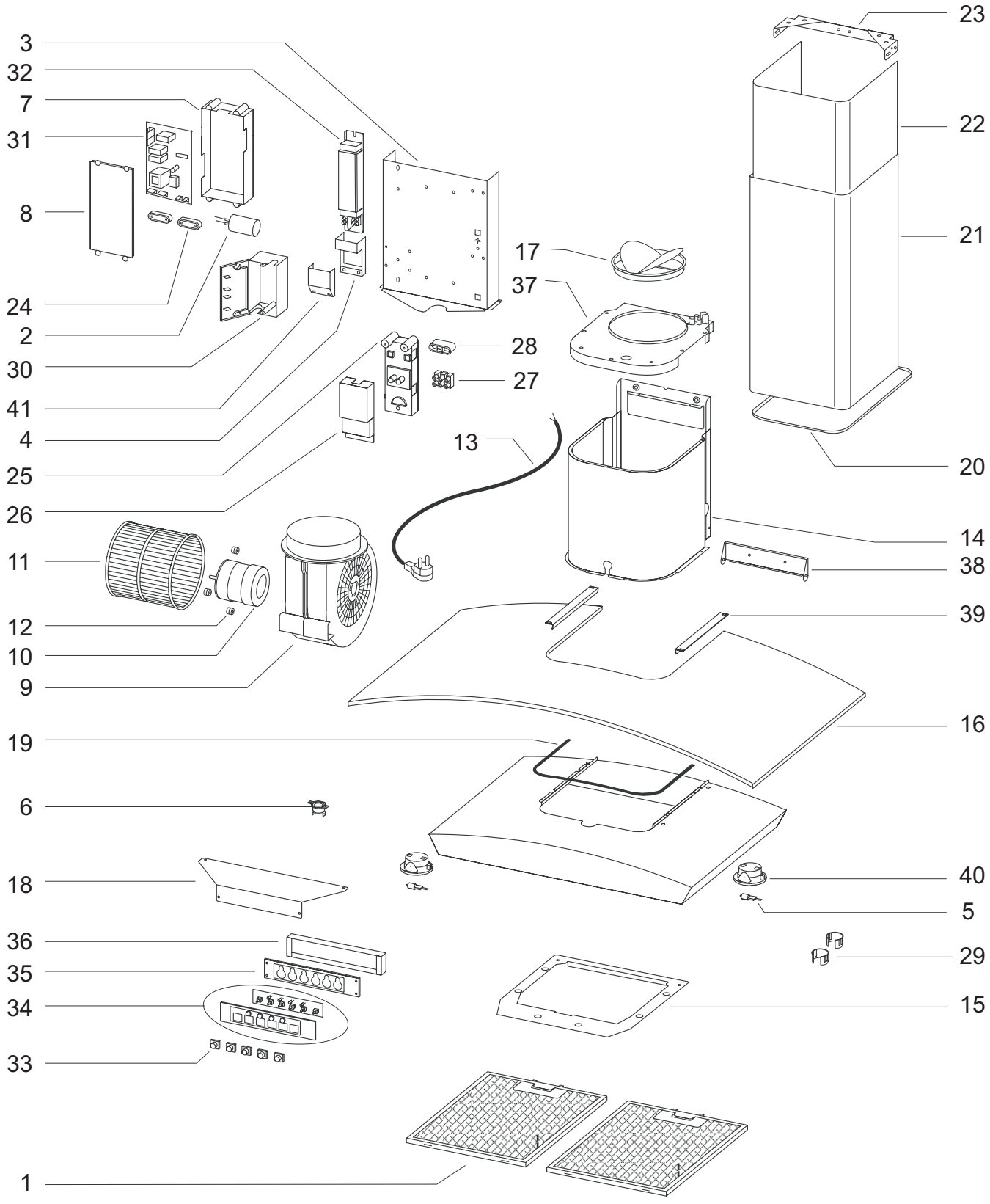
Figure 3-43. Capacitor Removal

Notes

Section 4

Parts Lists and Exploded Views of Ventilation Products

E36WC45FSS Exploded View



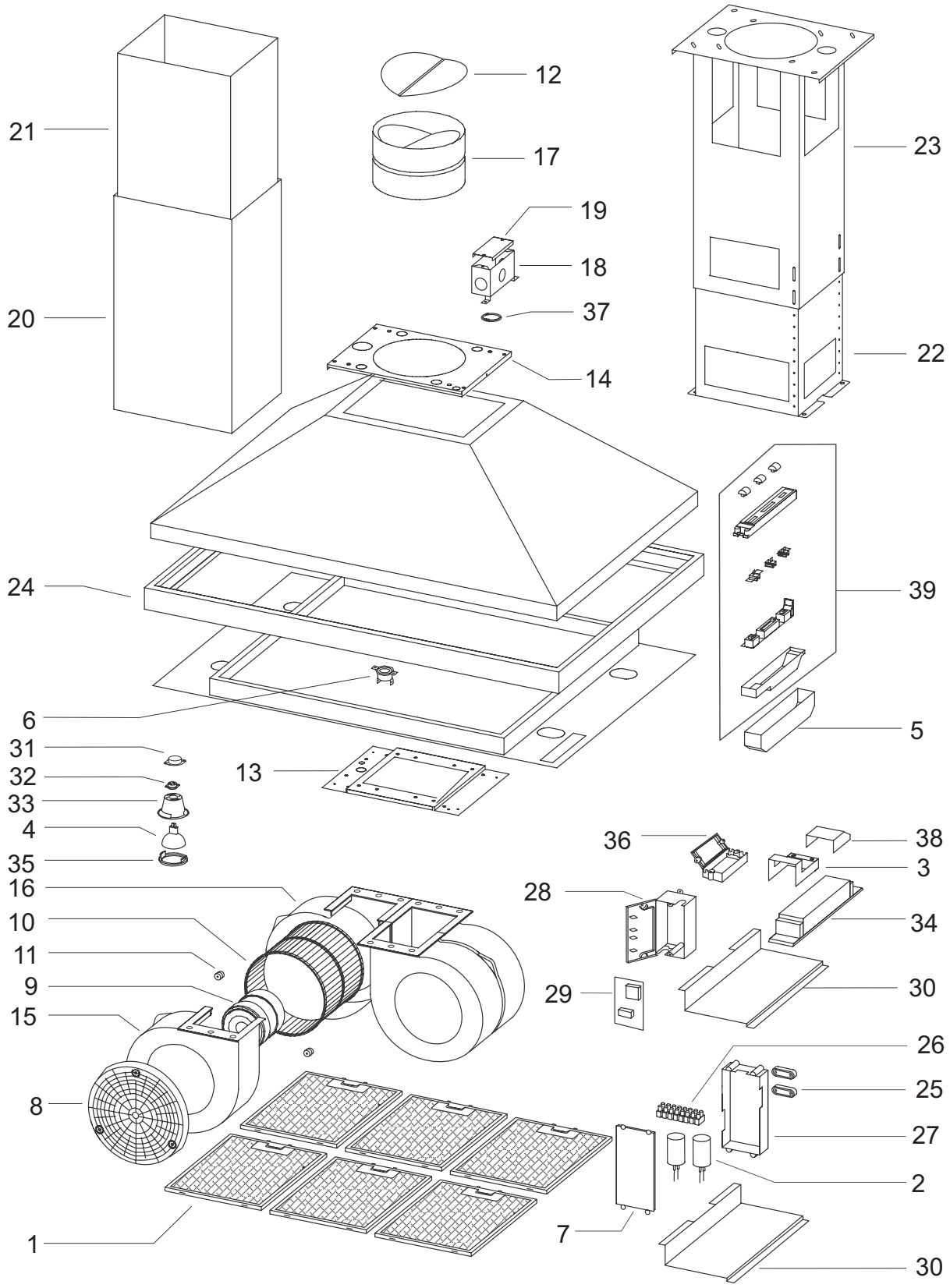
E36WC45FSS Parts List

Ref #	Part #	Description
1.	5304455733	Filter, grease, aluminum
2.	5304454900	Capacitor, motor
3.	5304454949	Plate, mounting, electric system
4.	5304454950	Bracket, transformer, protector
5.	5304454951	Lamp, halogen, 20 W, 12 V
6.	5304455734	Thermostat, Heat Sentry
7.	5304454953	Control Box, PC board
8.	5304454954	Cover, electrical box
9.	5304454955	Housing, blower fan, scroll
10.	5304454956	Motor, blower
11.	5304454957	Blower Wheel, fan
12.	5304454958	Washer, motor mount, rubber
13.	5304454959	Power Cord, electric
14.	5304454960	Housing, blower assembly
15.	5304454970	Panel, filter support
16.	5304454973	Canopy, hood, glass
17.	5304454974	Discharge Collar, damper
18.	5304454975	Bracket, switch support
19.	5304454976	Gasket, canopy seal
20.	5304454977	Gasket, chimney seal
21.	5304455735	Chimney, duct cover, lower flue
22.	5304455736	Chimney, duct cover, upper flue
23.	5304454981	Bracket, chimney mount, top flue
24.	5304454982	Clamp, wiring
25.	5304454983	Terminal Box, wiring
26.	5304454985	Cover, terminal box
27.	5304454986	Clamp, wiring junction
28.	5304454987	Wire Stop, terminal box
29.	5304454988	Clamp, power cord
30.	5304454989	Electrical Box
31.	5304454991	Control Board, printed circuit
32.	5304454992	Transformer
33.	5304454993	Push Button, control switch
34.	5304454952	Control, switch board, with trim
35.	5304454994	Cover, switch box
36.	5304454995	Control Box, switch board
37.	5304454996	Cover, blower, duct connector
38.	5304454997	Bracket, blower support
39.	5304454998	Bracket, canopy
40.	5304454999	Housing, lamp receptacle
41.	5304455000	Cover, terminal, transformer

Not Shown:

42.	5304455332	Fuse, 5 x 20 mm, 4 Amp, 125 V
43.	5304455333	Fuse Holder
44.	5304455001	Installation Kit, mtg. hardware

E40PV100FS Exploded View



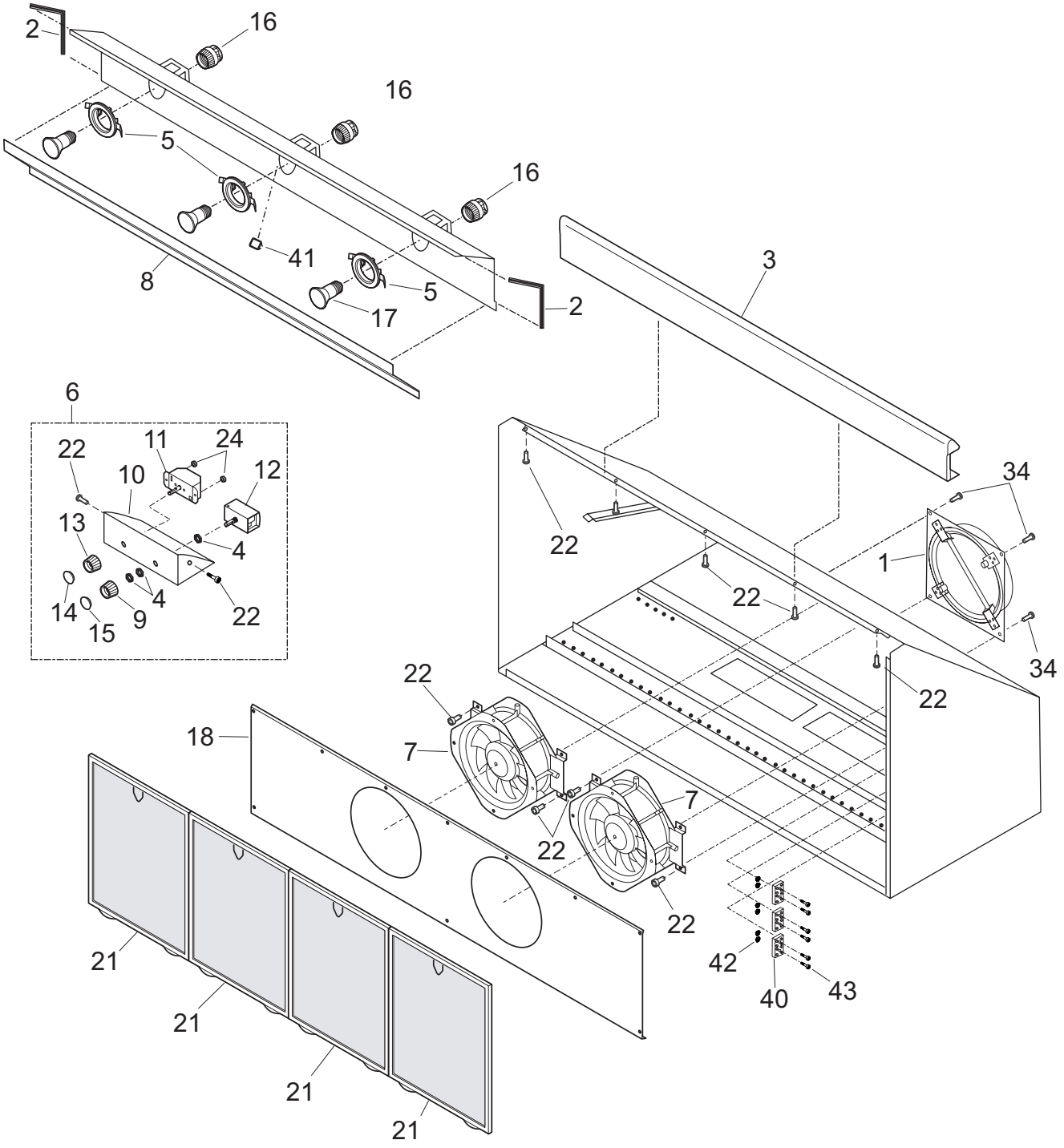
E40PV100FS Parts List

Ref #	Part #	Description
1.	5304455953	Filter, grease, aluminum
2.	5304454900	Capacitor, motor
3.	5304454950	Bracket, transformer, protector
4.	5304455738	Lamp, halogen
5.	5304455739	Cover, switch assembly
6.	5304455740	Thermostat, Heat Sentry
7.	5304454954	Cover, electrical box
8.	5304455741	Grille, filter support
9.	5304455954	Motor, blower
10.	5304455031	Blower Wheel, fan
11.	5304454958	Washer, motor mount, rubber
12.	5304455955	Damper, flap
13.	5304455956	Bracket, hood/blower, lower
14.	5304455957	Bracket, hood, upper
15.	5304455747	Housing, blower, right side
16.	5304455748	Housing, blower, left side
17.	5304455958	Discharge Collar, damper
18.	5304455749	Wiring Box
19.	5304455018	Cover, wiring box
20.	5304455959	Chimney, duct cover, lower flue
21.	5304455960	Chimney, duct cover, upper flue
22.	5304455961	Frame, support, lower
23.	5304455962	Frame, support, upper
24.	5304455963	Trim, hood, bottom
25.	5304454982	Clamp, wiring
26.	5304455754	Clamp, wiring, junction
27.	5304455947	Electrical Box, capacitor
28.	5304454989	Electrical Box
29.	5304455948	Control Board, printed circuit
30.	5304455964	Bracket, support
31.	5304455965	Reflector, lamp
32.	5304455756	Insulator, ceramic, lamp housing
33.	5304455757	Housing, lamp receptacle
34.	5304455011	Transformer
35.	5304455049	Ring Nut, lamp retainer
36.	5304455009	Fuse box
37.	5304455949	Bushing, wiring box
38.	5304455950	Cover, terminal, transformer
39.	5304455968	Switch Assembly, controls

Not Shown:

40.	5304455332	Fuse, 5 x 20 mm, 4 Amp, 125 V
41.	5304455333	Fuse Holder
42.	5304455966	Installation Kit, damper
43.	5304455967	Installation Kit, mtg. hardware

E488WV120S Exploded View



E488WV120S Parts List

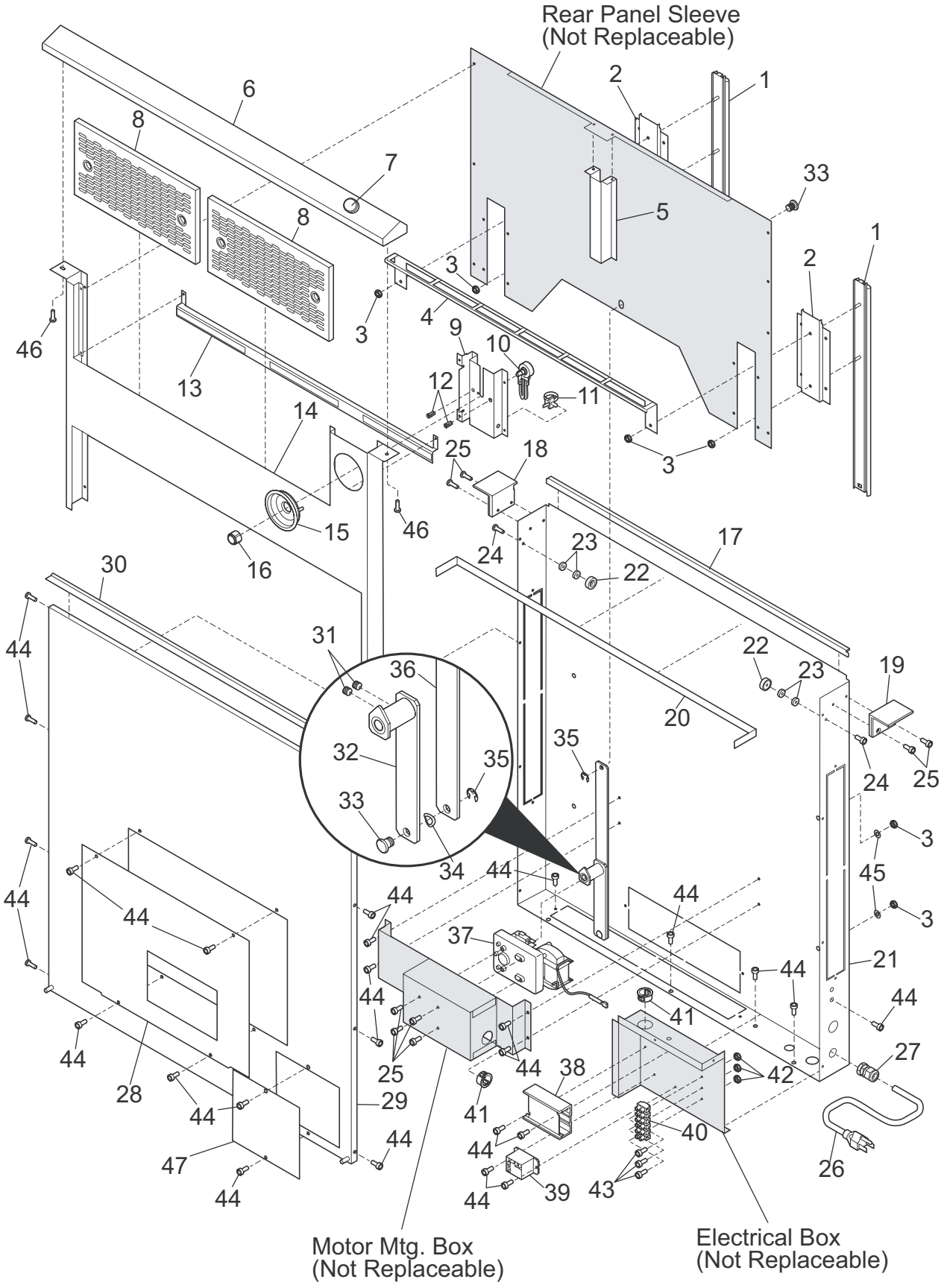
Ref #	Part #	Description
1.	5304453511	Damper Assembly
2.	5304453500	Trim, Edge
3.	5304452410	Bullnose Assembly, 48"
4.	5304452450	Nut, Hex, 3/8-24, Brass
5.	5304452463	Trim, Lamp
6.	5304453507	Control Box Assembly, Complete
7.	5304452416	Fan Motor Assembly, EBM
8.	5304452460	Front, Grime Shield, 48"
9.	5304453501	Knob, Light
10.	5304453508	Control Box
11.	5304452424	Control, Speed, 8 amp
12.	5304452425	Switch, Dimmer, Light
13.	5304452426	Knob, Fan
14.	5304452427	Insert, Knob, Fan
15.	5304452428	Insert, Knob, Light
16.	5304452429	Holder, Lamp
17.	5304448674	Lamp, Halogen
18.	5304452457	Shield, Grime, 48"
21.	5304452449	Filter, 11.88" x 15.18"
22.	5304453502	Screw, Phil TRS, No.8 x 3/8
24.	5304446015	Nut, Hex Keps, No.8-32
34.	5304452454	Screw, No.8 x .375"
40.	5304453510	Block, Terminal
41.	5304446279	Bushing, Heyco, SB-875-11
42.	5304446290	Nut, Hex keps, No.4-40, Zinc
43.	5304446289	Screw, Phil Pan Hd, No.4-40 x .625

Not Shown:

44.	5304453512	Harness, Light Liner

Electrolux

E30DD75E Exploded View

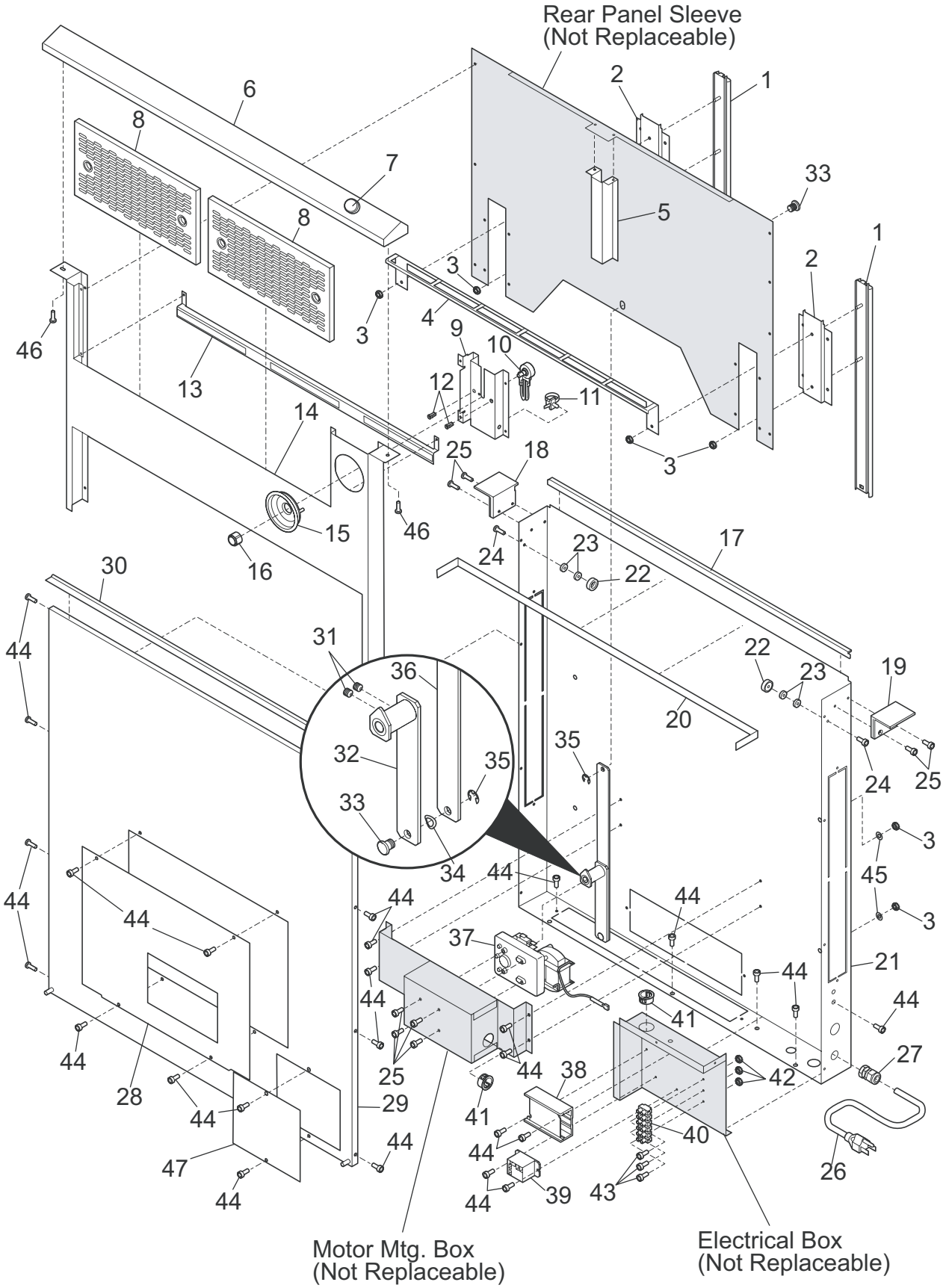


Model Index: **A E30DD75E (E30DD75ESS)**
B E36DD75E (E36DD75ESS)
C E46DD75E (E46DD75ESS)
D E48DD75E (E48DD75ESS)

Ref #	Part #		Description
1.	5304446252	A B C D	Slide, raise vent, (2)
2.	5304446223	A B C D	Bracket, slide mtg., (2)
3.	5304446015	A B C D	Nut, hex keps, #8-32, (9)
4.	5304446264	A - - -	Bracket, filter retainer, 30"
4.	5304446265	- B - -	Bracket, filter retainer, 36"
4.	5304446266	- - C D	Bracket, filter retainer, 46"/48"
5.	5304446220	A B C D	Support, filter
6.	5304446230	A - - -	Top Cap, weldment, 30"
6.	5304446232	- B - -	Top Cap, weldment, 36"
6.	5304446233	- - C -	Top Cap, weldment, 46"
6.	5304446231	- - - D	Top Cap, weldment, 48"
7.	5304446292	A B C D	Damper, flap
8.	5304446258	A - - -	Filter Assy., 30", (2)
8.	5304446260	- B - -	Filter Assy., 36", (2)
8.	5304446259	- - C D	Filter Assy., 46"/48", (2)
9.	5304446234	A B C D	Bracket, potentiometer
10.	5304446247	A B C D	Potentiometer Assy., w/harness
11.	5304446275	A B C D	Tie, push mount, (3), locking
12.	5304446291	A B C D	Palnut, tinerman, (2)
13.	5304446218	A - - -	Spring Bracket Assy, w/tape, 30"
13.	5304446219	- B - -	Spring Bracket Assy, w/tape, 36"
13.	5304446221	- - C D	Spring Bracket Assy, w/tape, 46"/48"
14.	5304446239	A - - -	Sleeve, 30", front
14.	5304446240	- B - -	Sleeve, 36", front
14.	5304446238	- - C D	Sleeve, 46"/48", front
15.	5304446293	A B C D	Bezel, control knob
16.	5304446294	A B C D	Knob, control
17.	5304446268	A - - -	Trim, rear plenum, 30"
17.	5304446269	- B - -	Trim, rear plenum, 36"
17.	5304446270	- - C D	Trim, rear plenum, 46"/48"
18.	5304446256	A B C -	Angle, rear plenum, 30"/36"/46", LH
18.	5304446254	- - - D	Angle, rear plenum, 48", LH
19.	5304446255	A B C -	Angle, rear plenum, 30"/36"/46", RH
19.	5304446253	- - - D	Angle, rear plenum, 48", RH
20.	5304446244	A - - -	Wiper, felt, 30"
20.	5304446245	- B - -	Wiper, felt, 36"
20.	5304446246	- - C D	Wiper, felt, 46"/48"
21.	5304446224	A - - -	Weldment, plenum, 30", rear
21.	5304446226	- B - -	Weldment, plenum, 36", rear
21.	5304446227	- - C D	Weldment, plenum, 46"/48", rear
22.	5304446262	A B C D	Roller, nylon, (2)
23.	5304446249	A B C D	Spacer, nylon, (4)
24.	5304446287	A B C D	Screw, phil pan hd, #8-32 x 3/4, (2)
25.	5304446272	A B C D	Screw, phil hd, #8-32 x 1/4, (8)
26.	5304446261	A B C D	Cord, power supply
27.	5304446288	A B C D	Strain Relief
28.	5304446237	A B C D	Panel, access, drive motor

Electrolux

E30DD75E Exploded View



Model Index: **A E30DD75E (E30DD75ESS)**
B E36DD75E (E36DD75ESS)
C E46DD75E (E46DD75ESS)
D E48DD75E (E48DD75ESS)

Ref #	Part #		Description
29.	5304446225	A - - -	Weldment, plenum, 30", front
29.	5304446228	- B - -	Weldment, plenum, 36", front
29.	5304446229	- - C D	Weldment, plenum, 46"/48", front
30.	5304446241	A - - -	Seal, countertop, 30"
30.	5304446242	- B - -	Seal, countertop, 36"
30.	5304446243	- - C D	Seal, countertop, 46"/48"
31.	5304446280	A B C D	Screw, set, 1/4-28 UNF, X 1/4 cup point, (2)
32.	5304446251	A B C D	Drive Arm
33.	5304446267	A B C D	Stud, drive arm, (2)
34.	5304446285	A B C D	Spring washer, drive arm
35.	5304446283	A B C D	C-Clip, (2)
36.	5304446250	A B C D	Raise Arm
37.	5304446263	A B C D	Motor Assy., drive, w/switch
37.	5304446295	A B C D	Harness, red
37.	5304446298	A B C D	Harness, blue
37.	5304446302	A B C D	Harness, black
37.	5304446282	A B C D	Tie, cable, 4054 RT 350, (1)
38.	5304446248	A B C D	Control, AC phase
38.	5304446303	A B C D	Harness, phase control, to relay
38.	5304446304	A B C D	Jumper Harness, phase control, to relay
39.	5304446257	A B C D	Relay, 10A
39.	5304446300	A B C D	Harness, relay-pwr input
39.	5304446301	A B C D	Harness, relay-neutral
39.	5304446297	A B C D	Harness, switch-relay
40.	5304446933	A B C D	Strip, terminal
40.	5304446299	A B C D	Harness, ground terminal
41.	5304446279	A B C D	Bushing, heyco, sb-875-11, (2)
42.	5304446290	A B C D	Nut, hex keps, #4-40, zinc, (3)
43.	5304446289	A B C D	Screw, phil pan hd, #4-40 x .625, (3)
44.	5304446271	A B C D	Screw, phil pan hd, #8 x 1/4, (34)
45.	5304446273	A B C D	Washer, SAE, #10, (4)
46.	5304446284	A B C D	Screw, phil flat hd, #8-32 x 1/4, (2)
47.	5304446979	A B C D	Cover, electrical box

Not Shown:

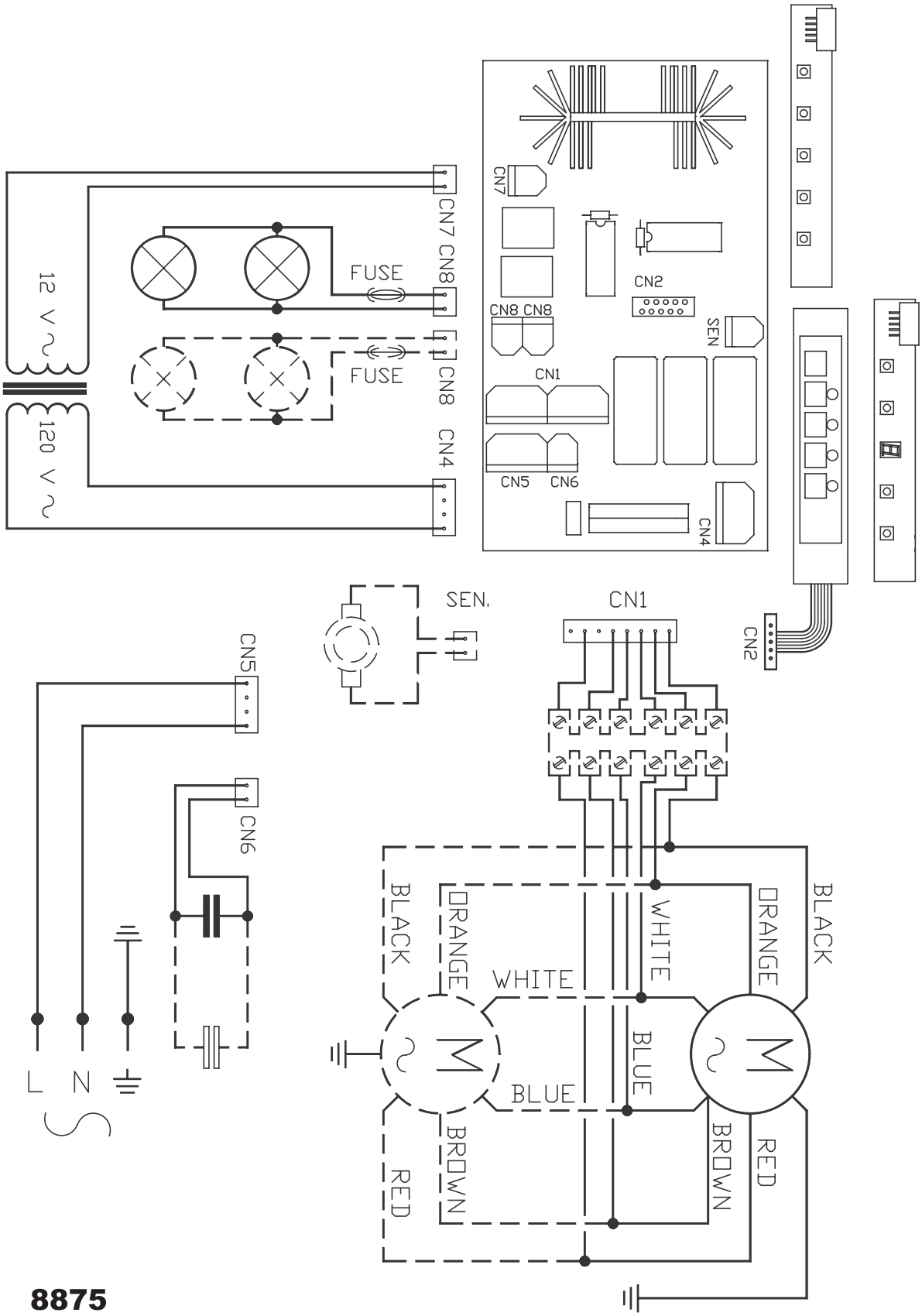
48.	5304446296	A B C D	Harness, main
49.	5304446281	A B C D	Wire Nut, yellow, (3).
50.	5304446222	A B C D	Transition Duct, kit assembly
51.	5304446235	A B C D	• Leg, support, LH
52.	5304446236	A B C D	• Leg, support, RH
53.	5304446276	A B C D	• Wire Nut, orange, (3)
54.	5304446274	A B C D	• Screw, phil trs hd, #10 x 1/2, (2)
55.	5304446277	A B C D	• Screw, phil flat hd, #14 x 1/2, (4), wood
56.	5304446278	A B C D	• Nut, hex keps, 1/4-20, (2)
57.	5304446286	A B C D	• Washer, flat, 1/4-20, (2)

Notes

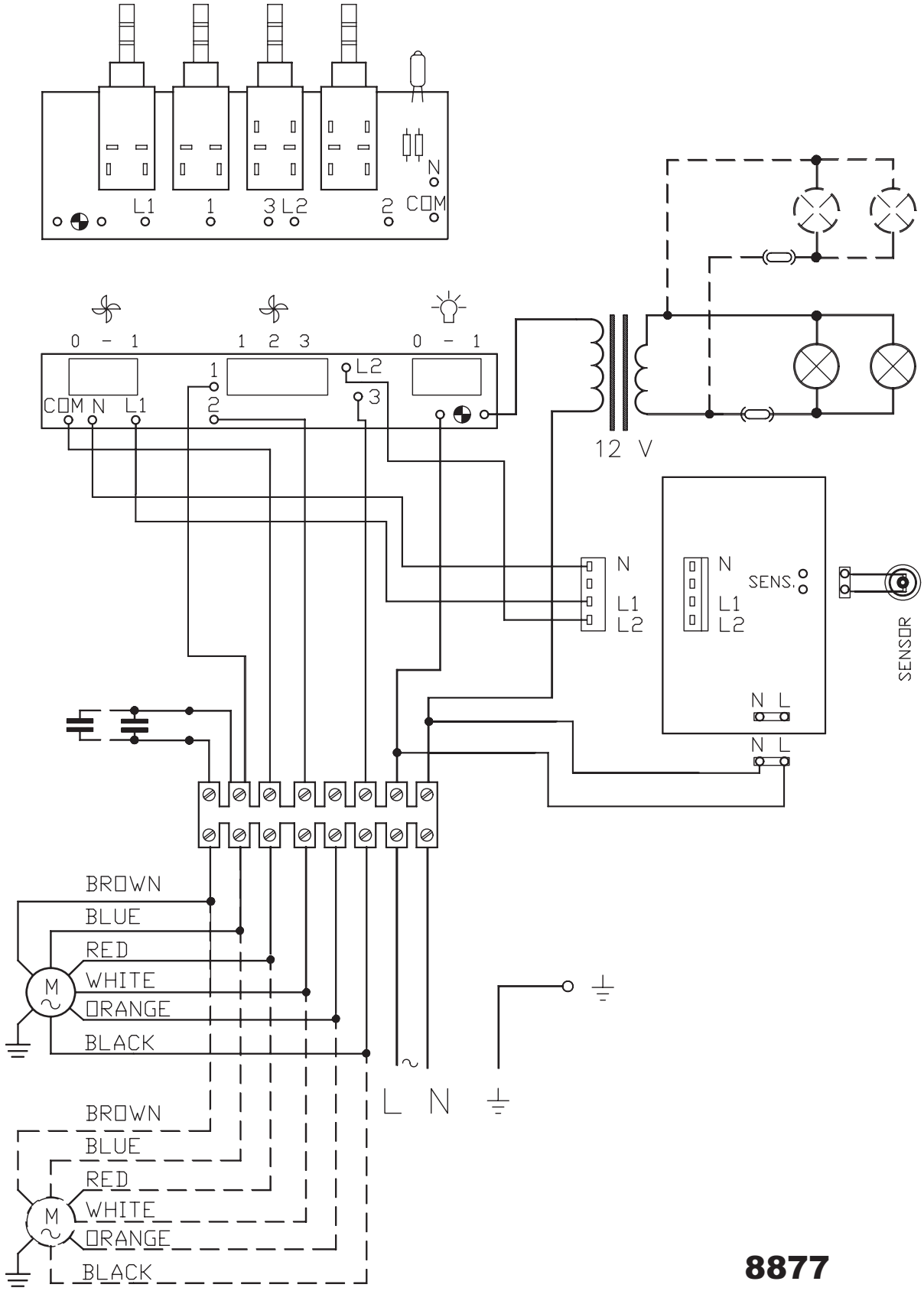
Section 5

Wiring Diagrams of Ventilation Products

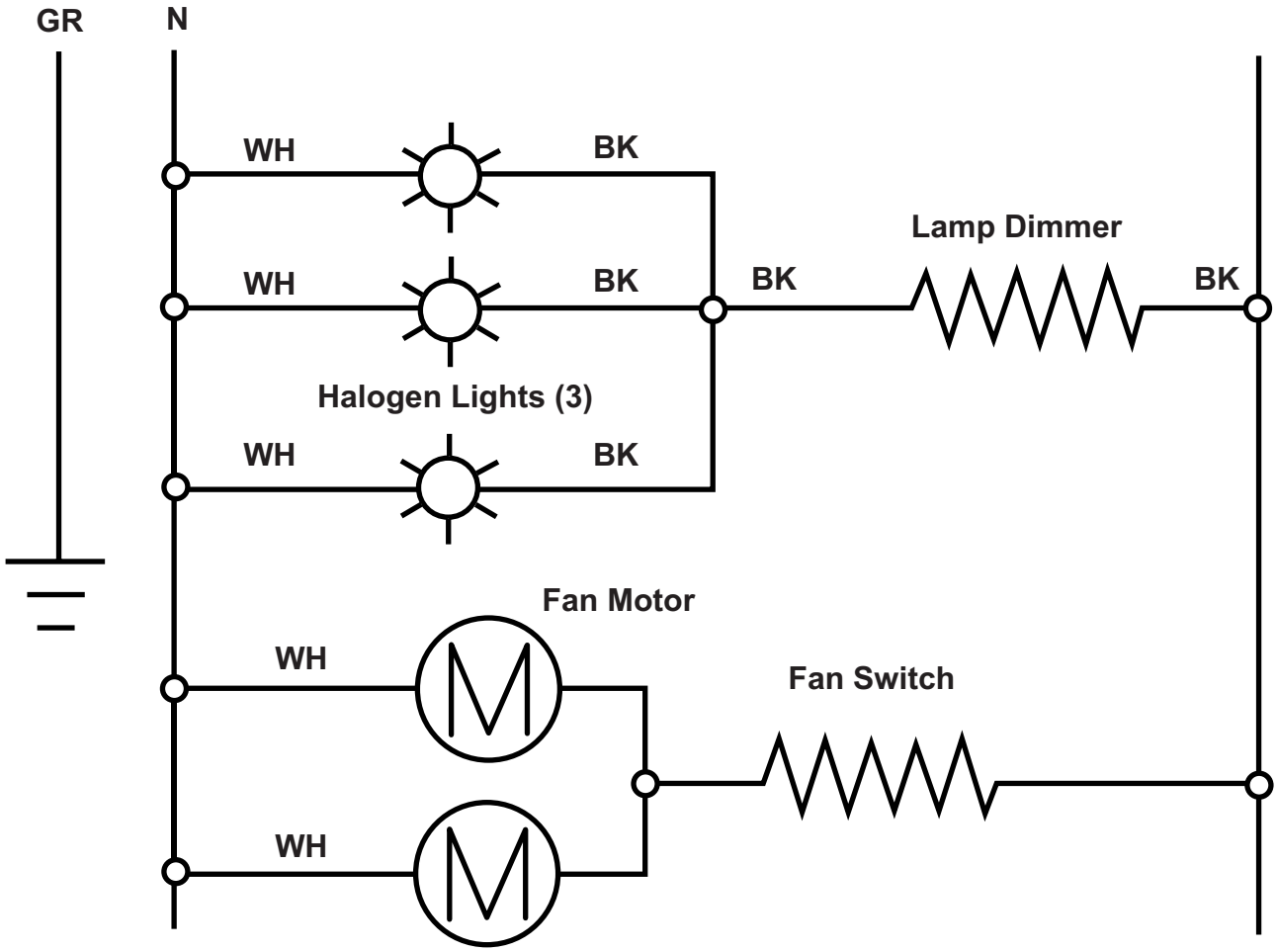
E36WC45FSS Wiring Diagram



E40PV100FS Wiring Diagram



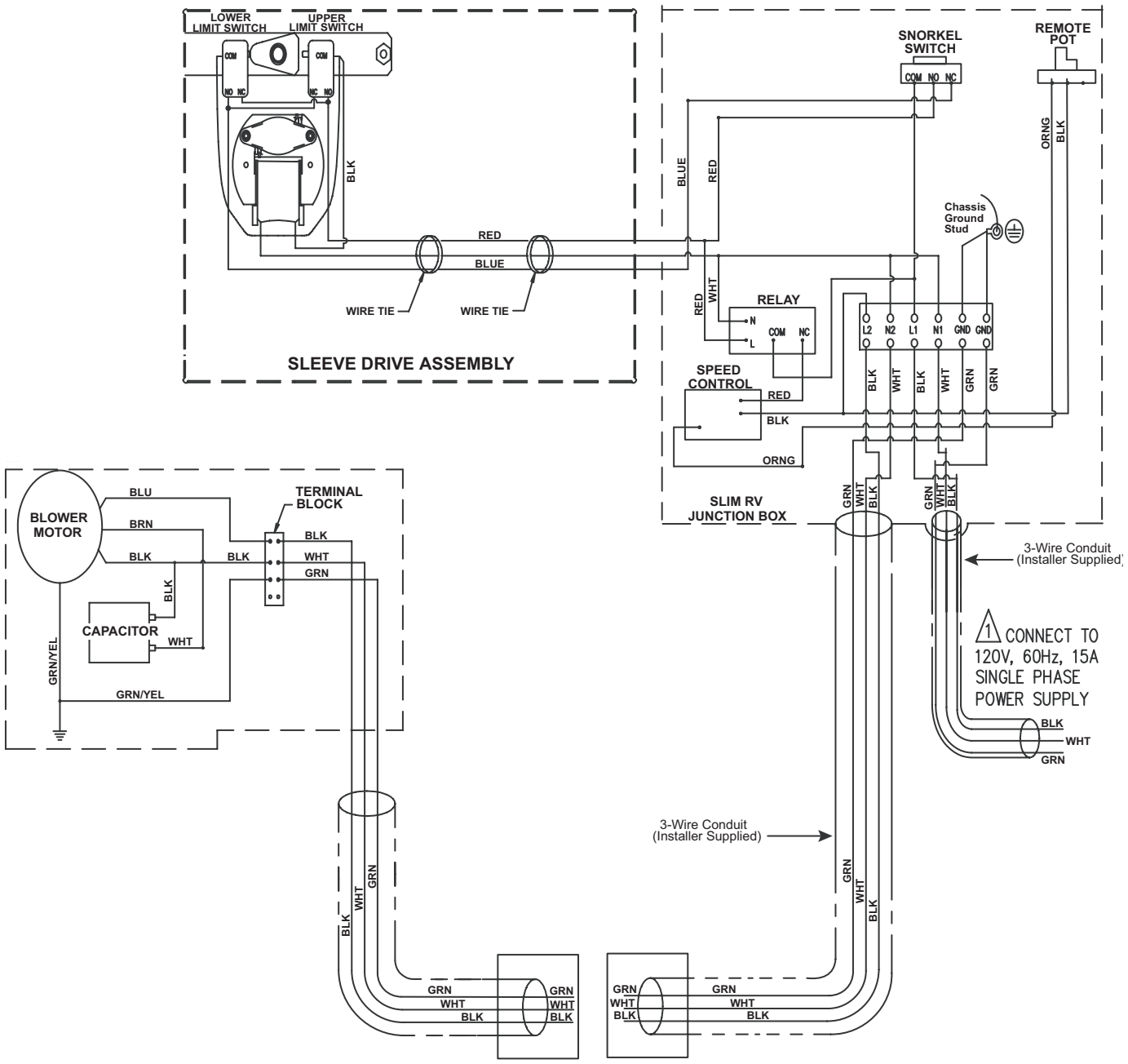
E488WV120S & E48WV12EPS Wiring Diagram



CAUTION: Disconnect power supply at fuse box before servicing this equipment.

Note: E48WV12EPS Only has two halogen lights.

E30DD75E Wiring Diagram



NOTE: Do not connect the vent to power until the connection between the male blower cord and the female vent cord has been made and the vent junction box has been re-installed.

Notes